

Supplementary Materials

Microwave-Assisted Synthesis of 3-hydroxy-2-oxindoles and Pilot Evaluation of Their Antiglaucomic Activity

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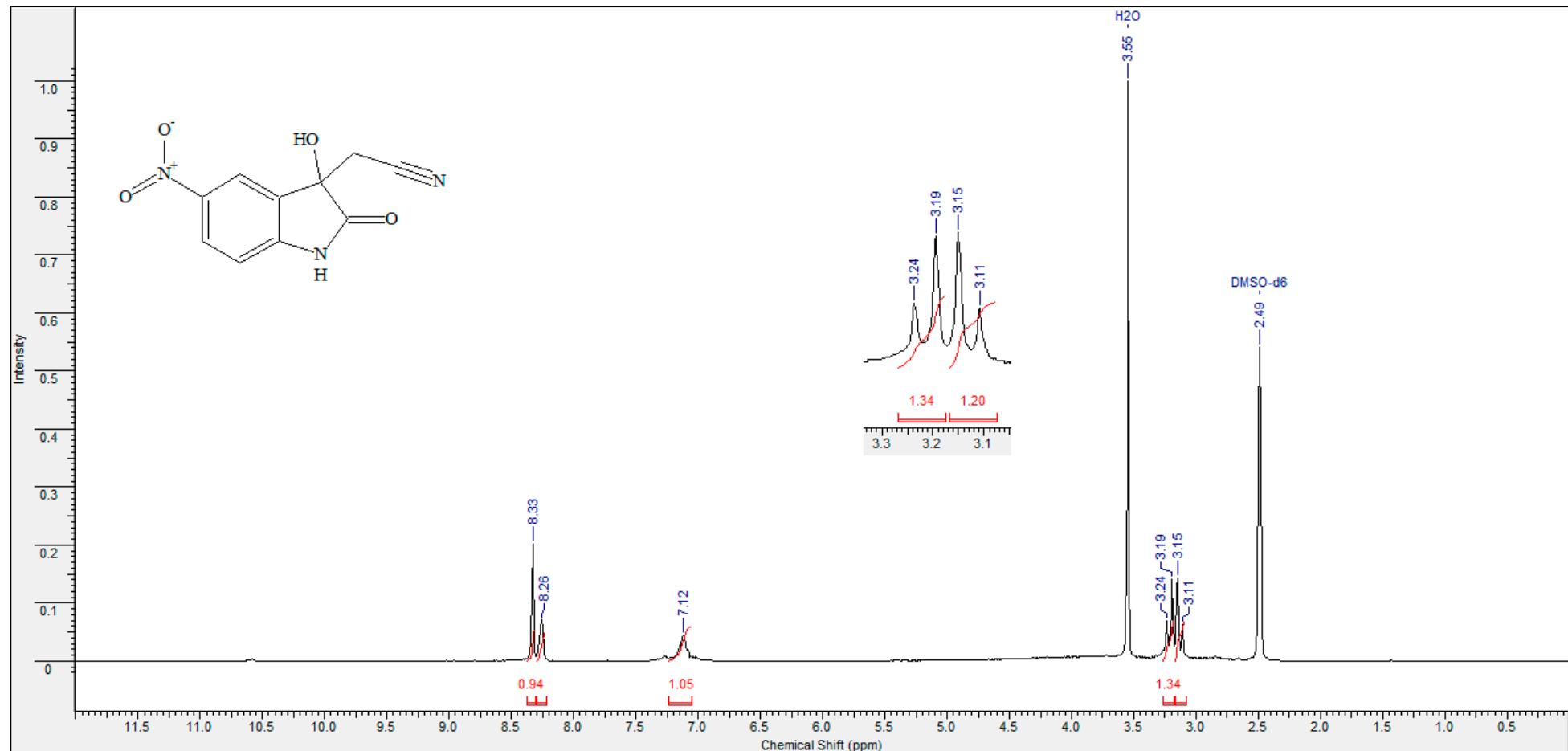
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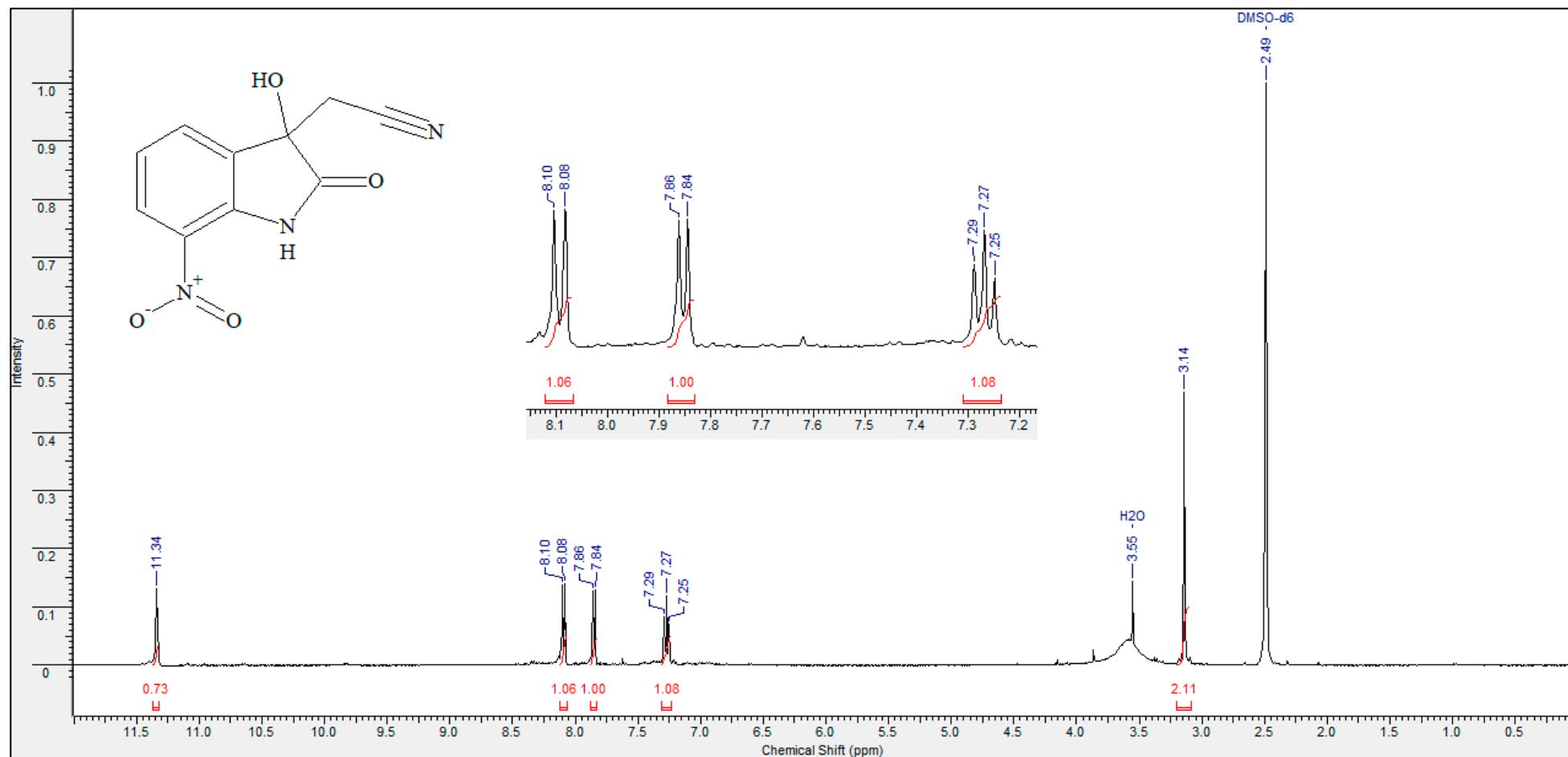
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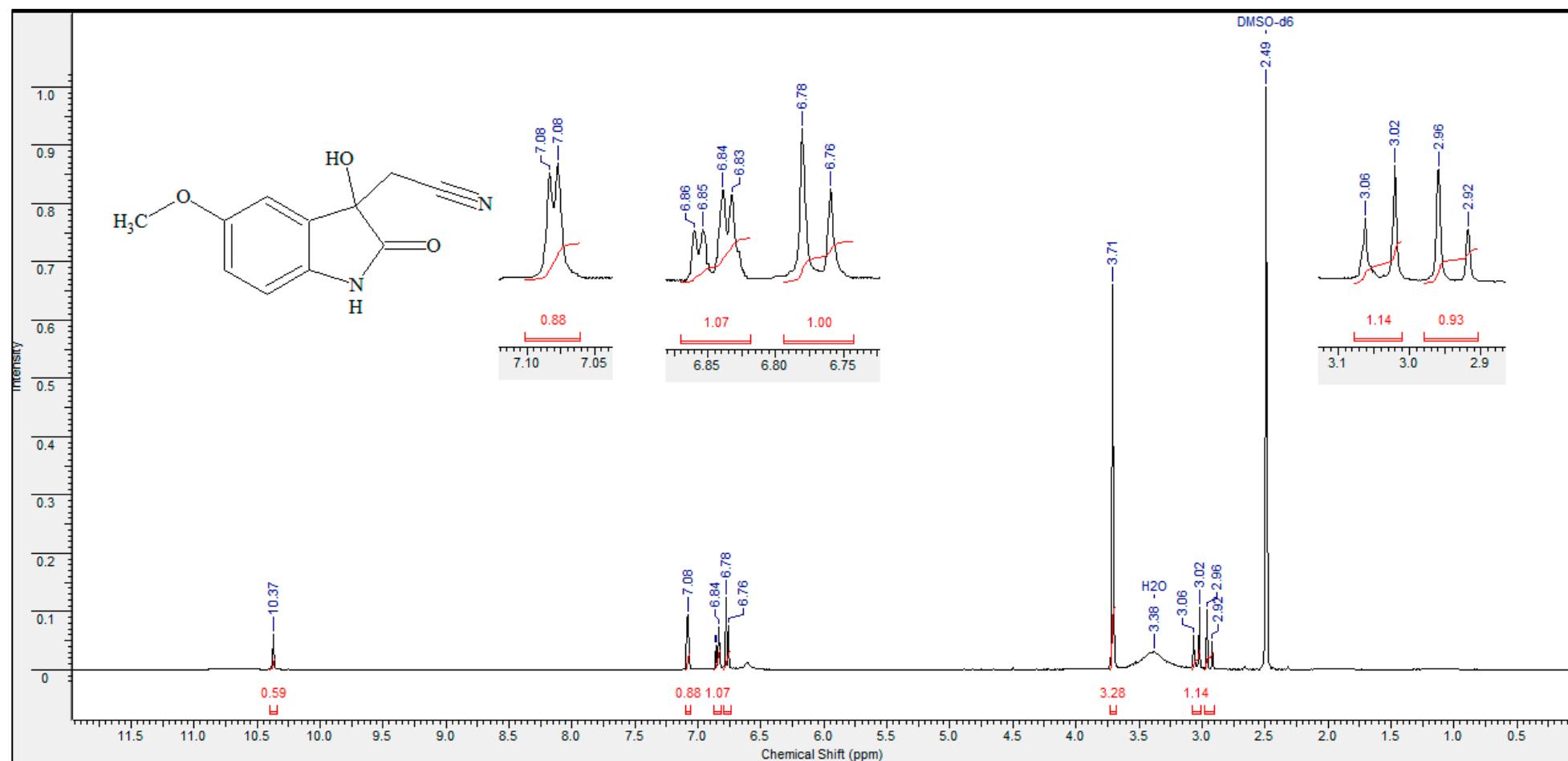
S1. ^1H NMR spectrum of (3-hydroxy-5-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2a**)



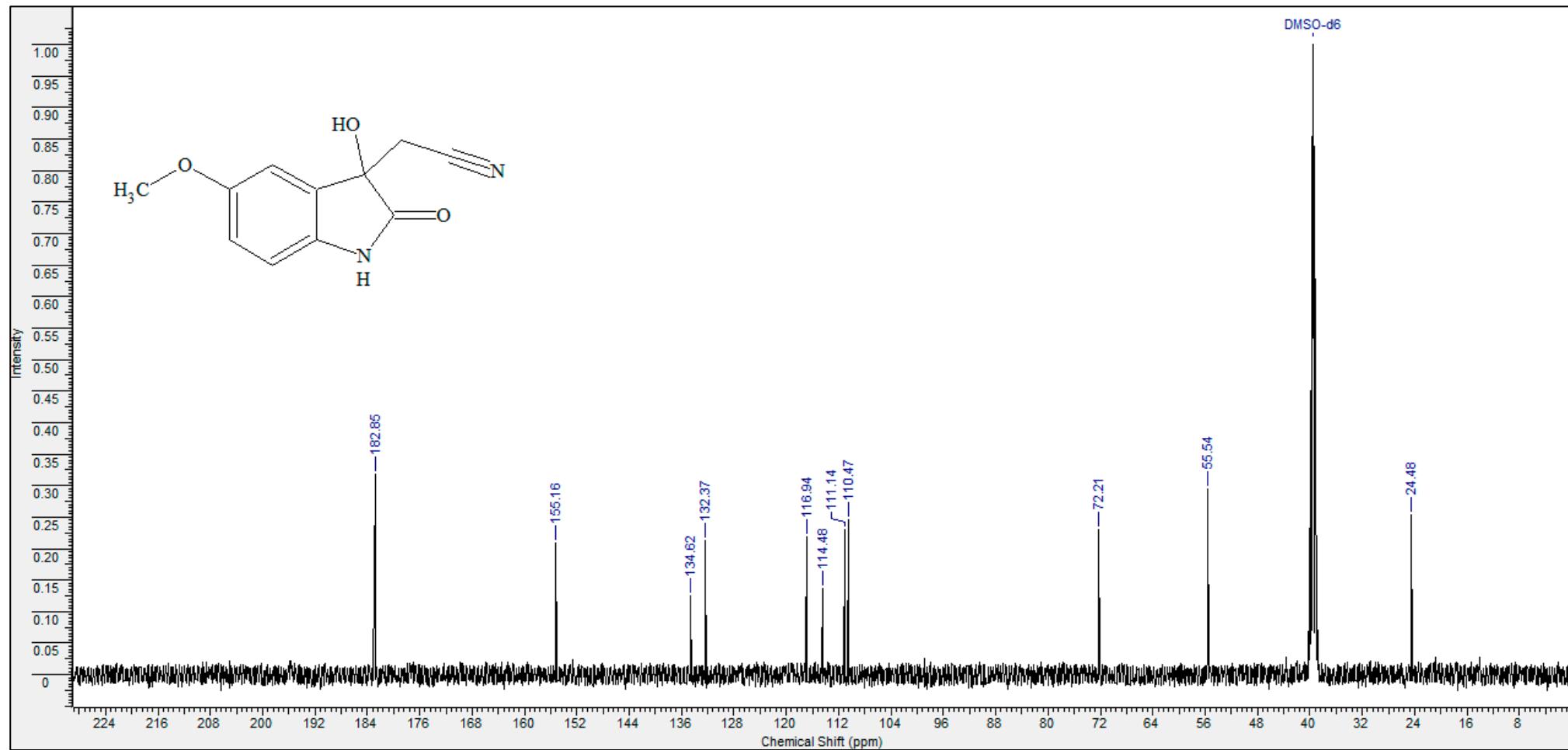
S2. ^1H NMR spectrum of (3-hydroxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (2b)



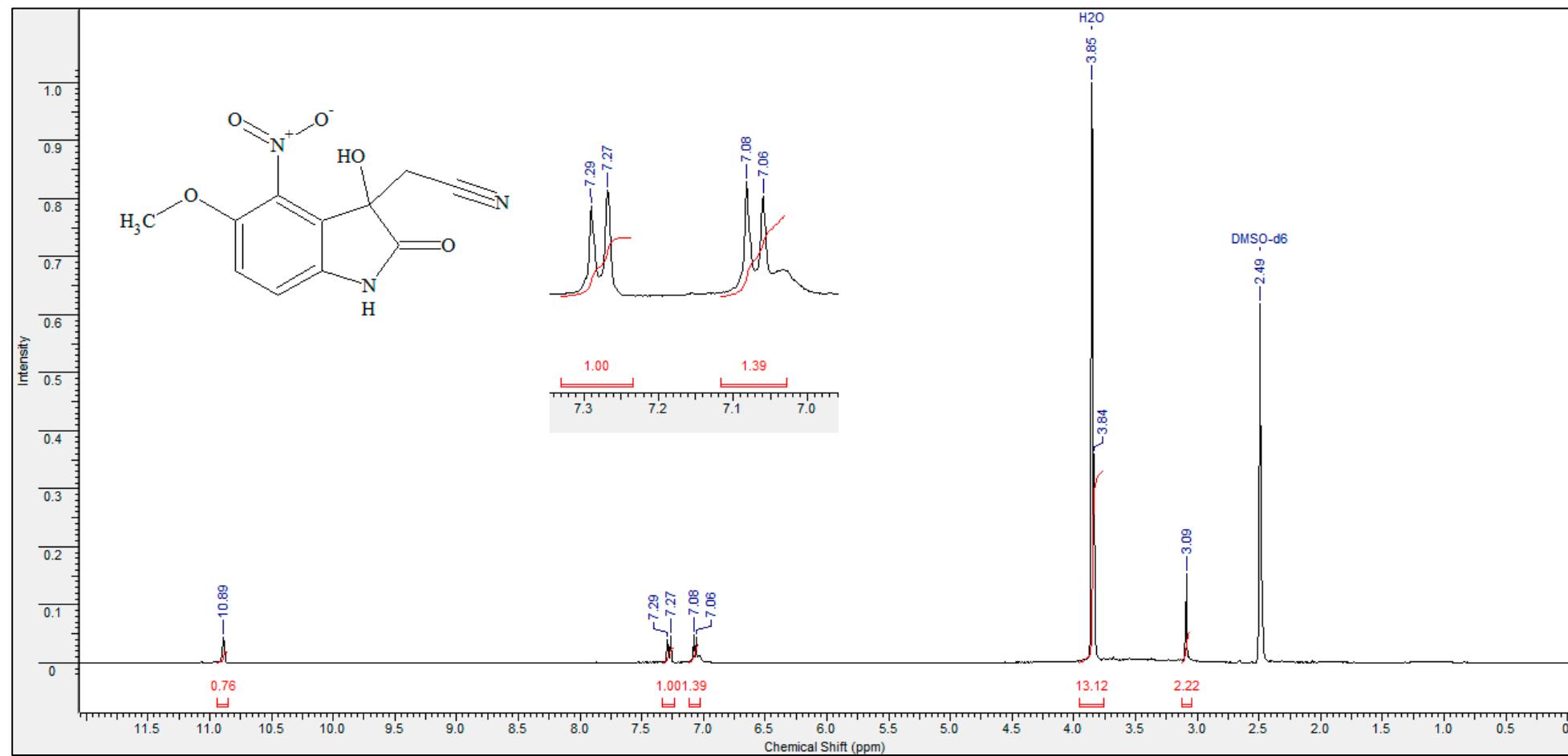
S3. ^1H NMR spectrum of (3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2c**)



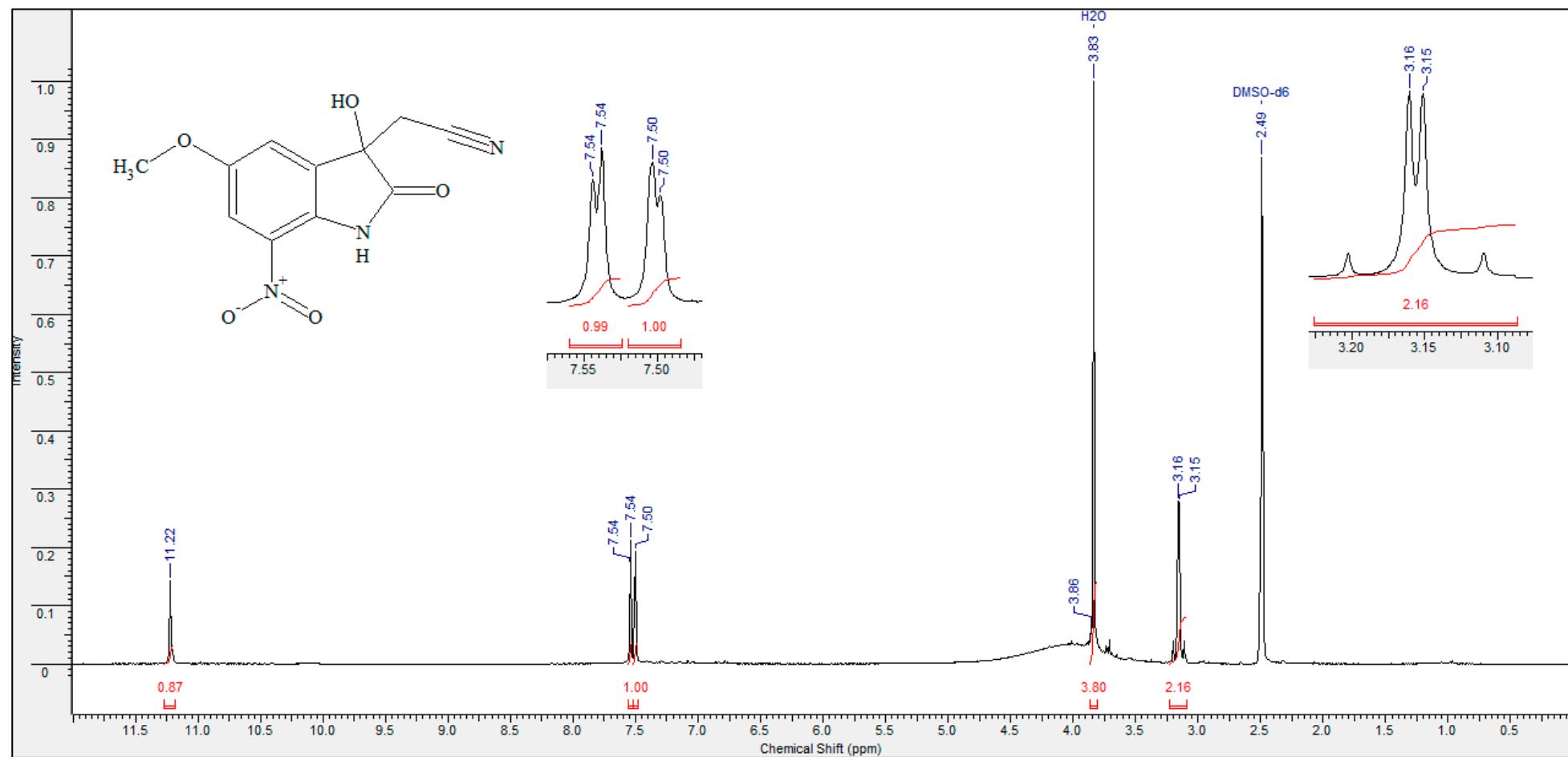
S4. ^{13}C NMR spectrum of (3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2c**)



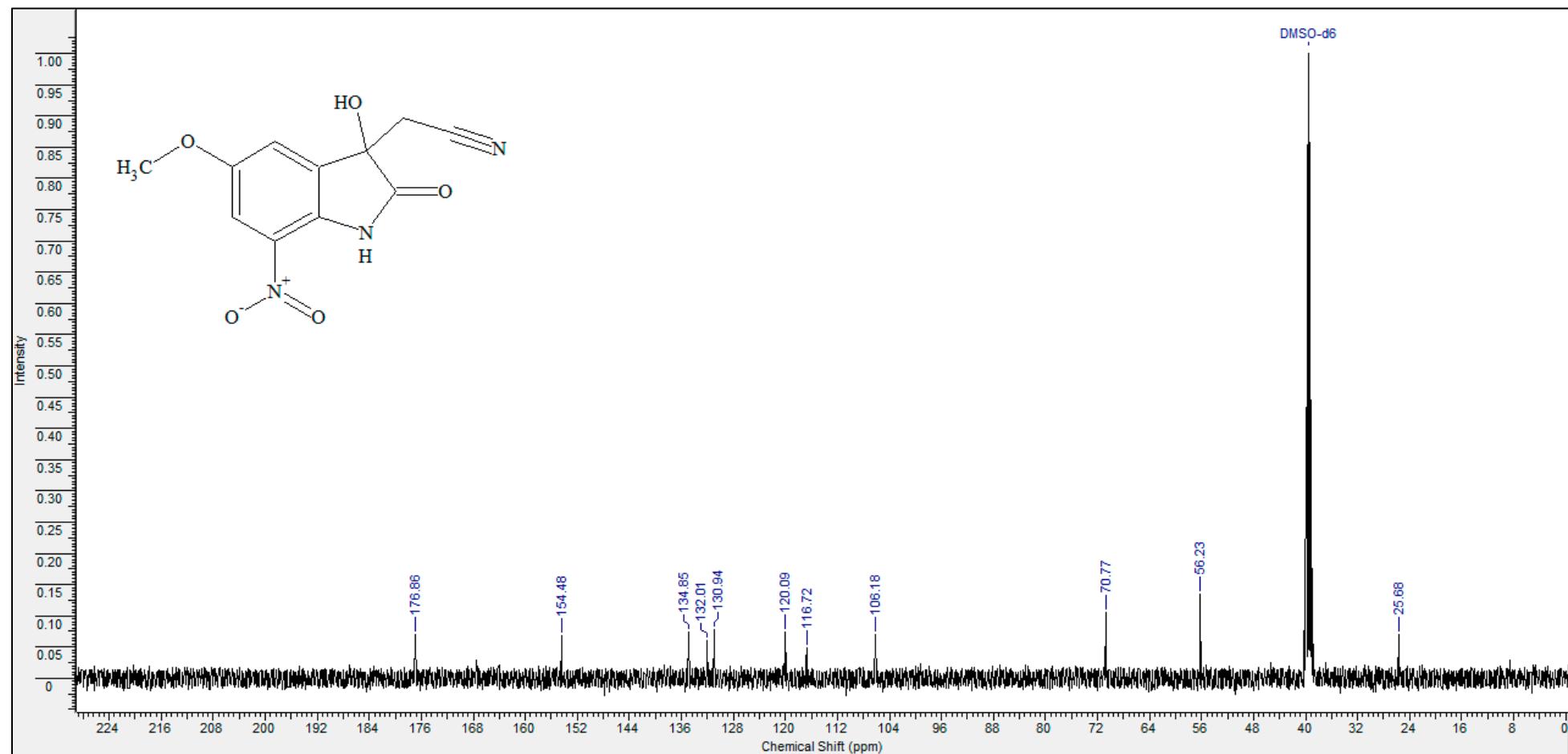
S5. ^1H NMR spectrum of (3-hydroxy-5-methoxy-4-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2d**)



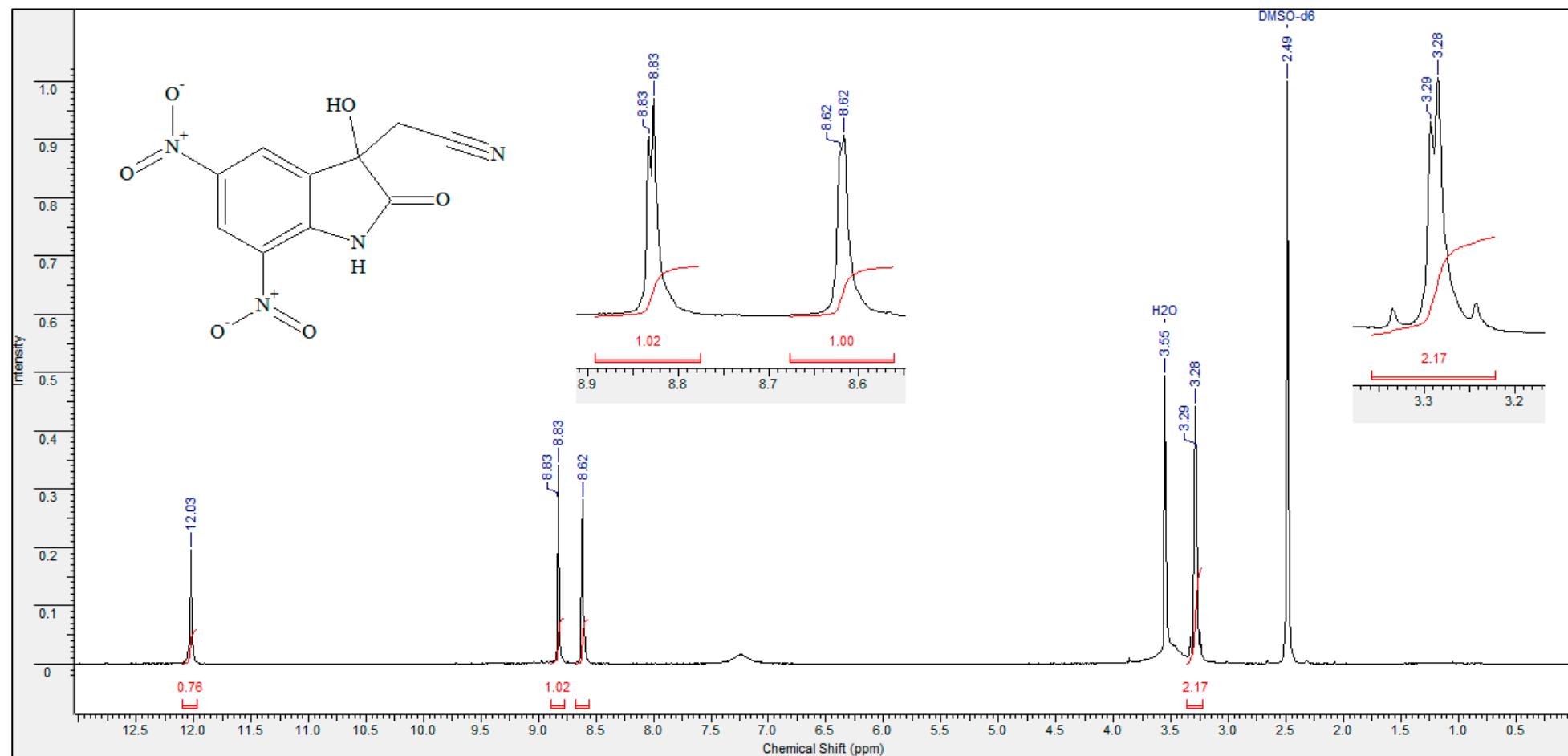
S6. ^1H NMR spectrum of (3-hydroxy-5-methoxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2e**)



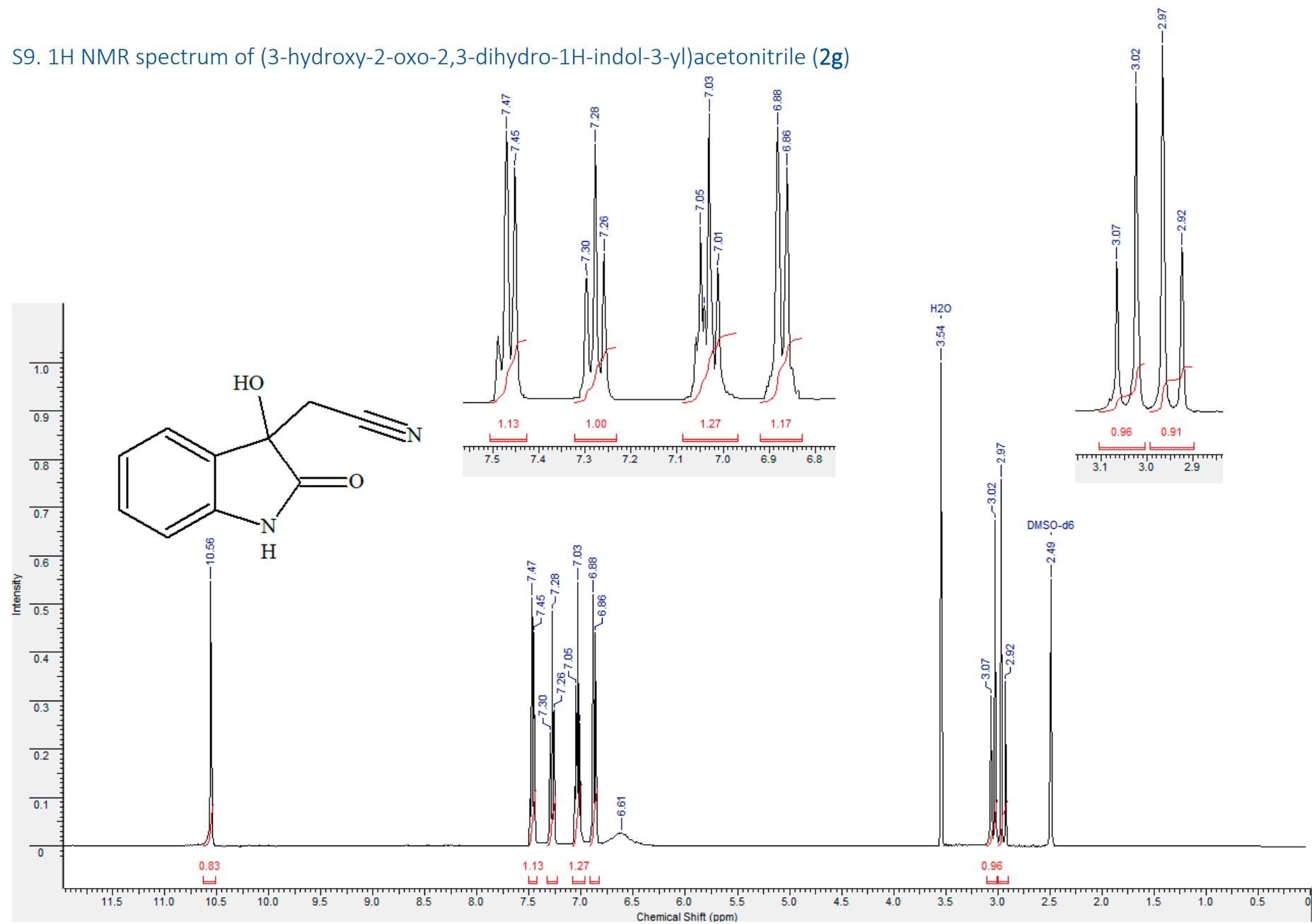
S7. ^{13}C NMR spectrum of (3-hydroxy-5-methoxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2e**)



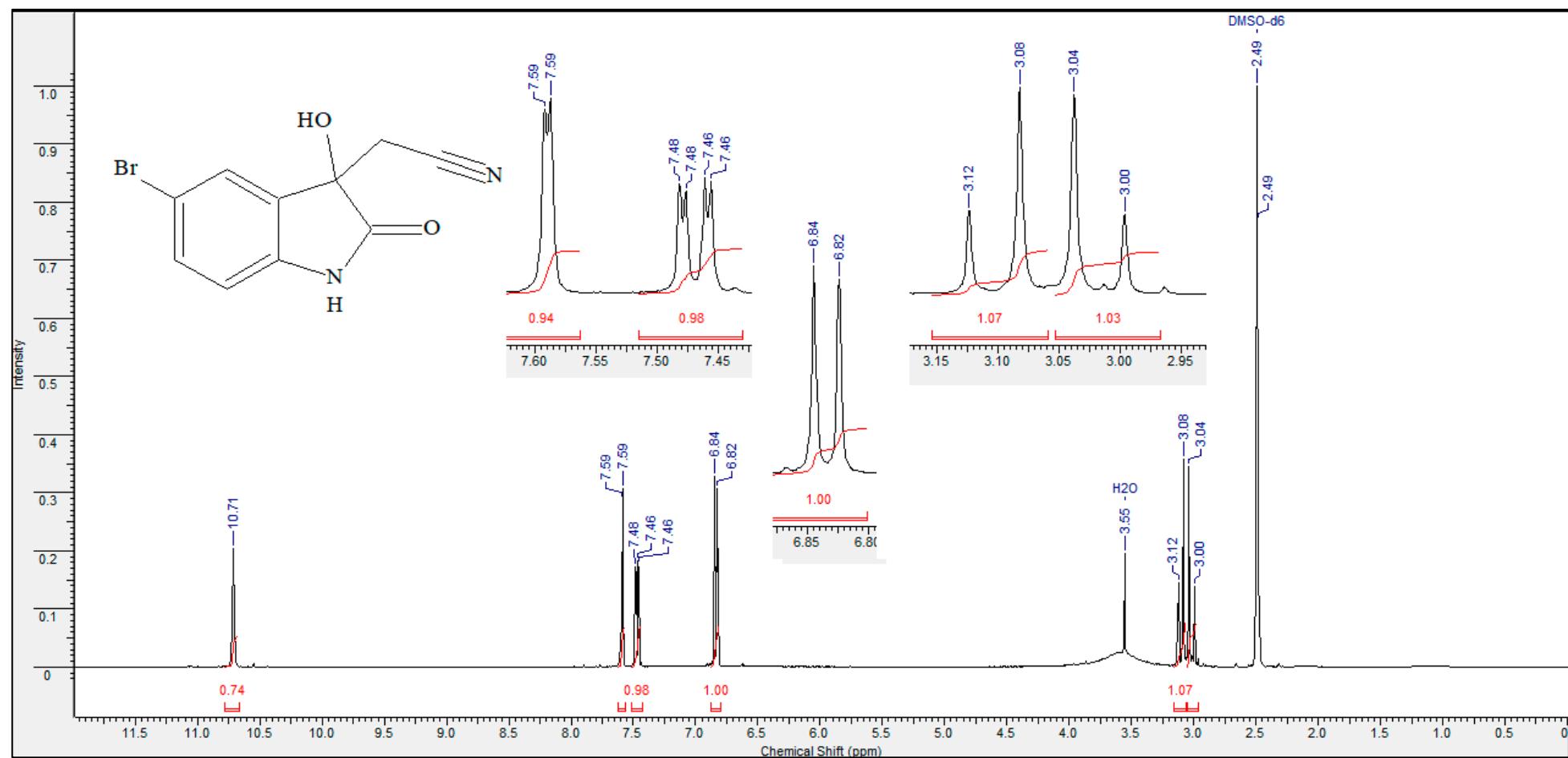
S8. ^1H NMR spectrum of (3-hydroxy-5,7-dinitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2f**)



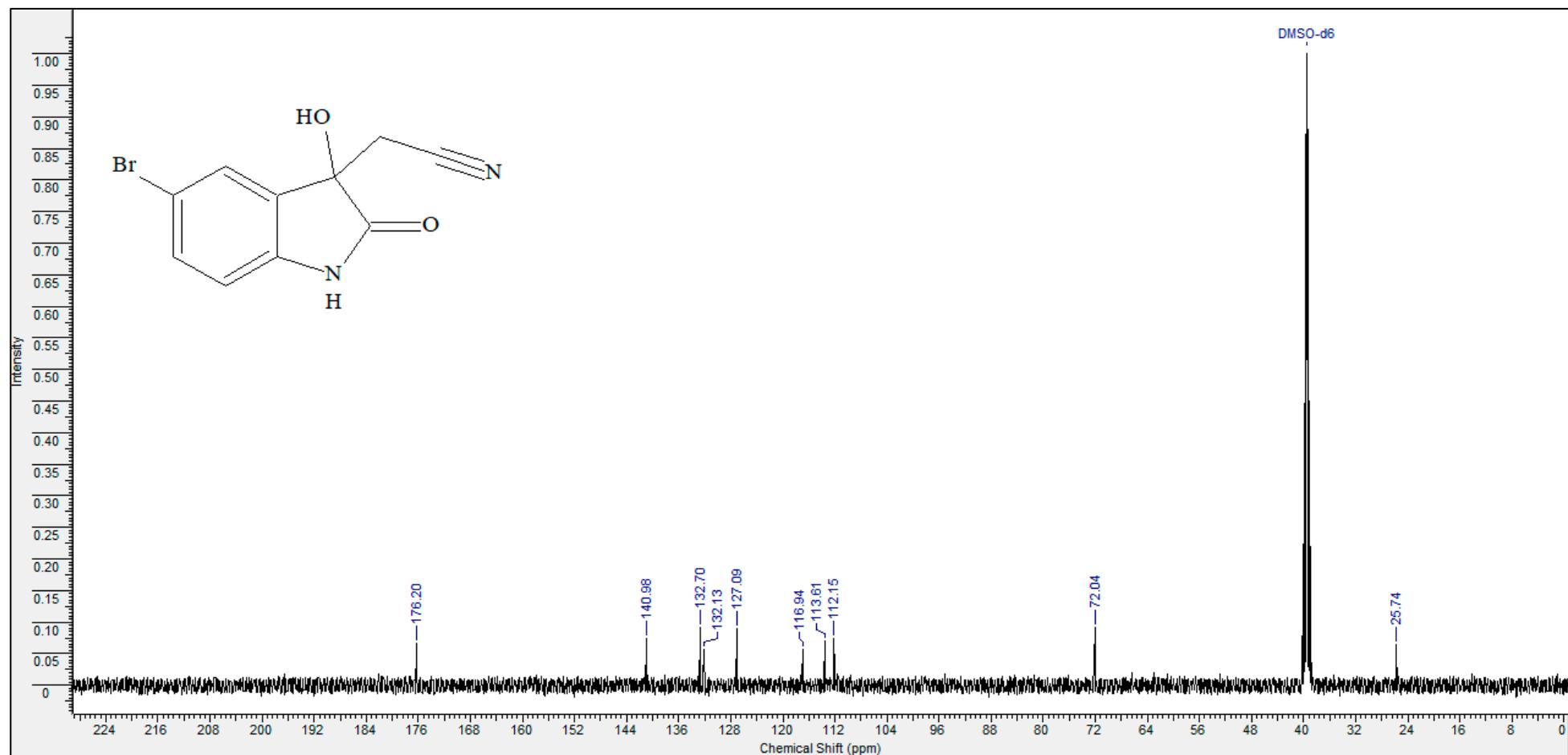
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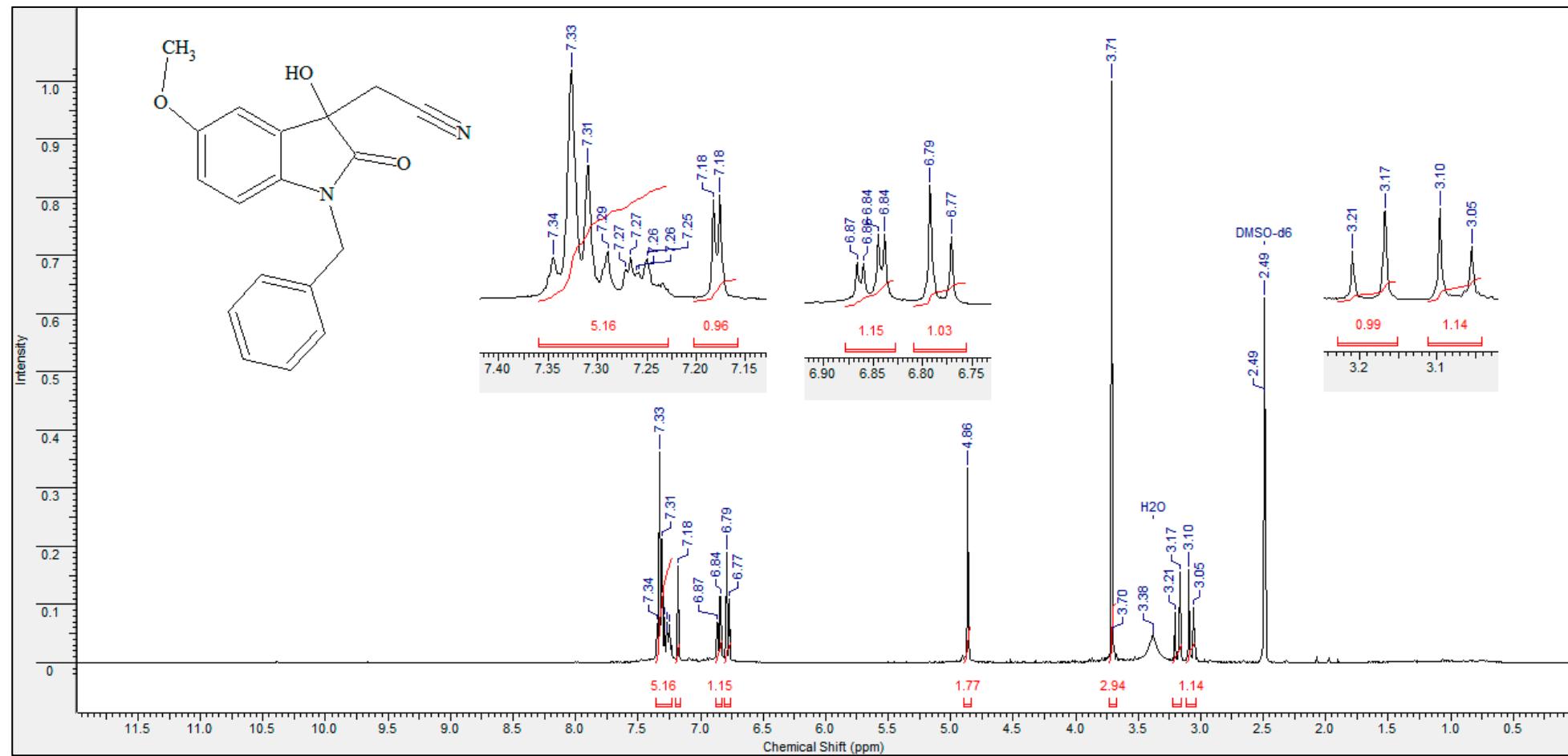
S10. ^1H NMR spectrum of (5-bromo-3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2h**)



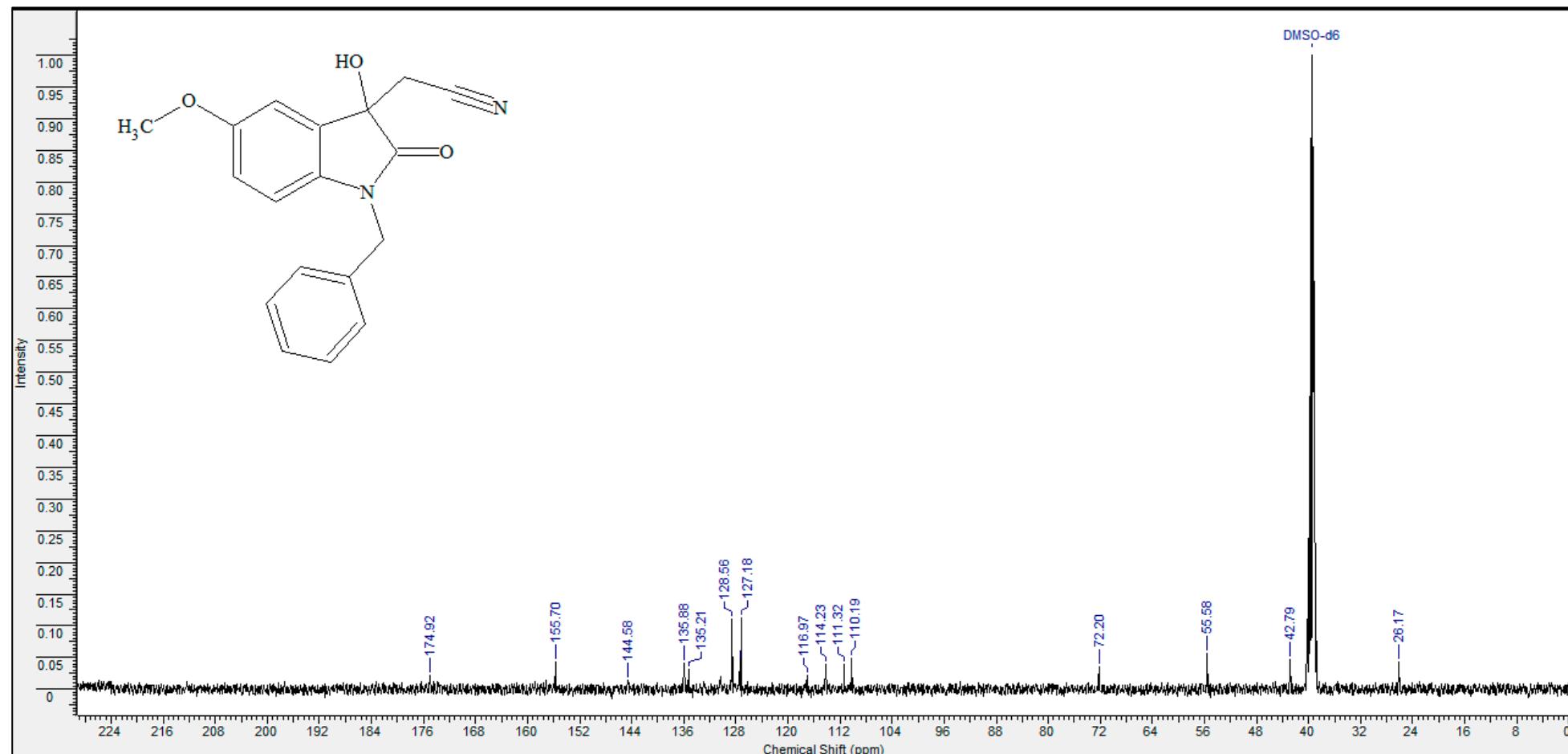
S11. ^{13}C NMR spectrum of (5-bromo-3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (2h)



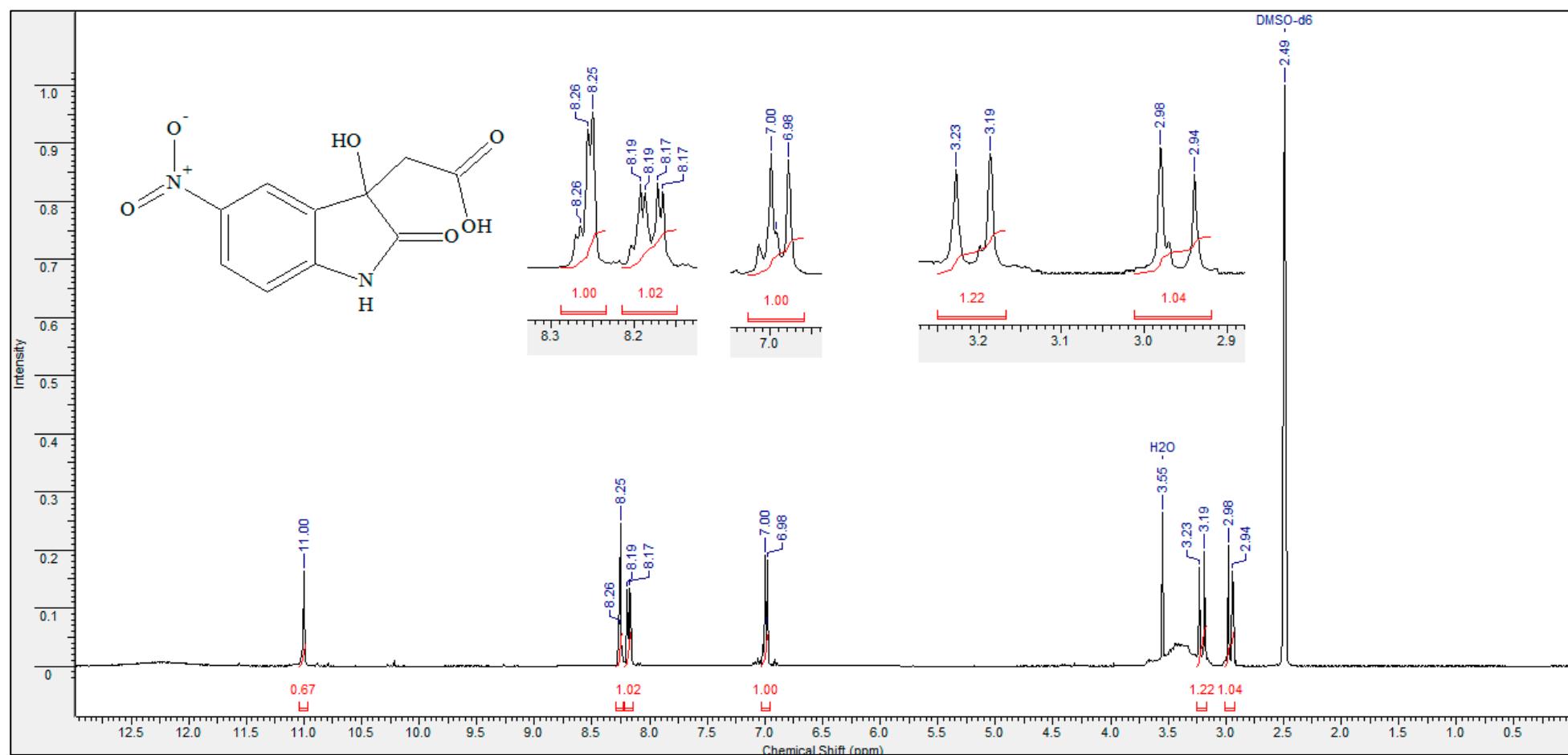
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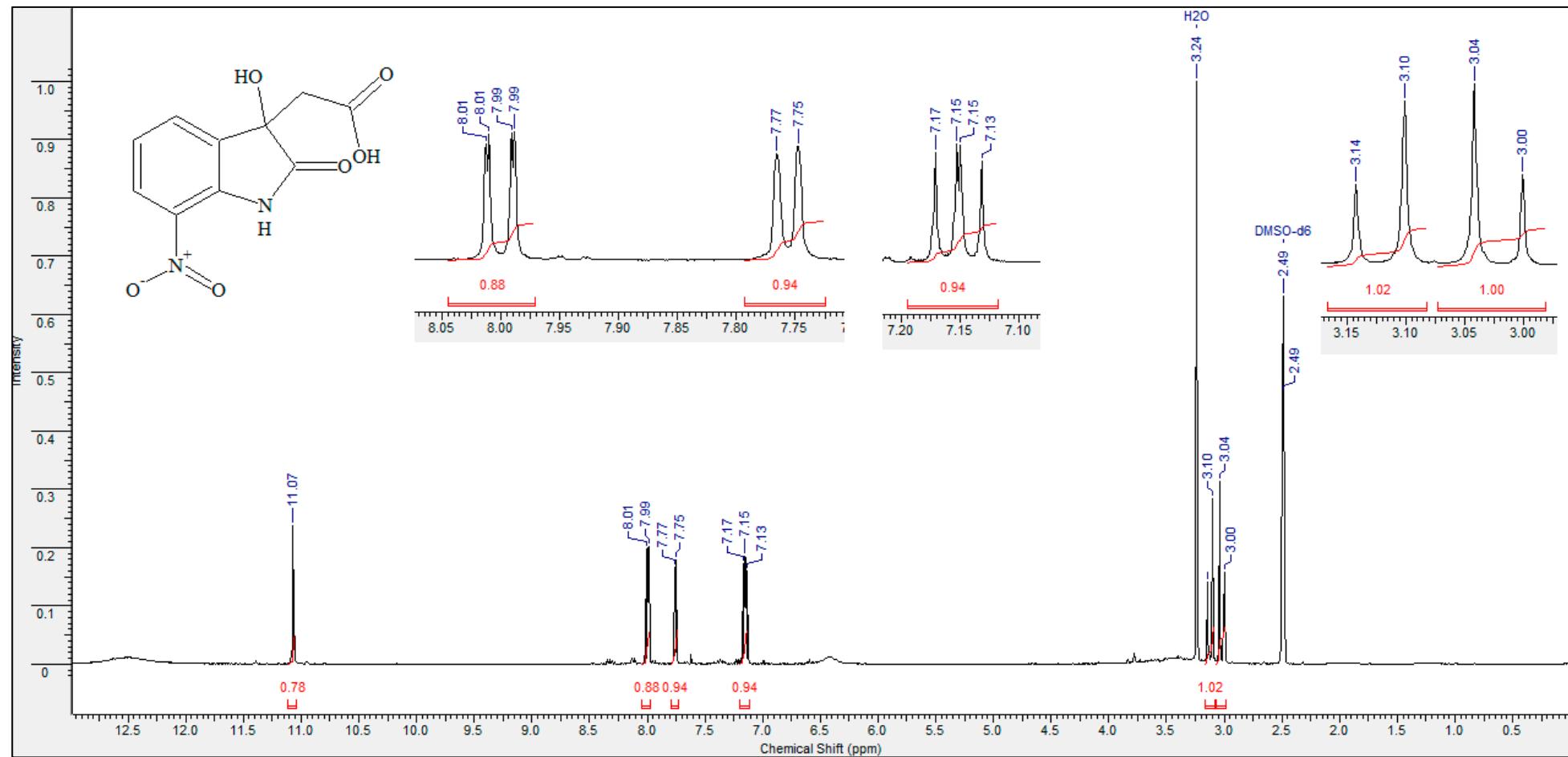
S13. ^{13}C NMR spectrum of (1-benzyl-3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2i**)



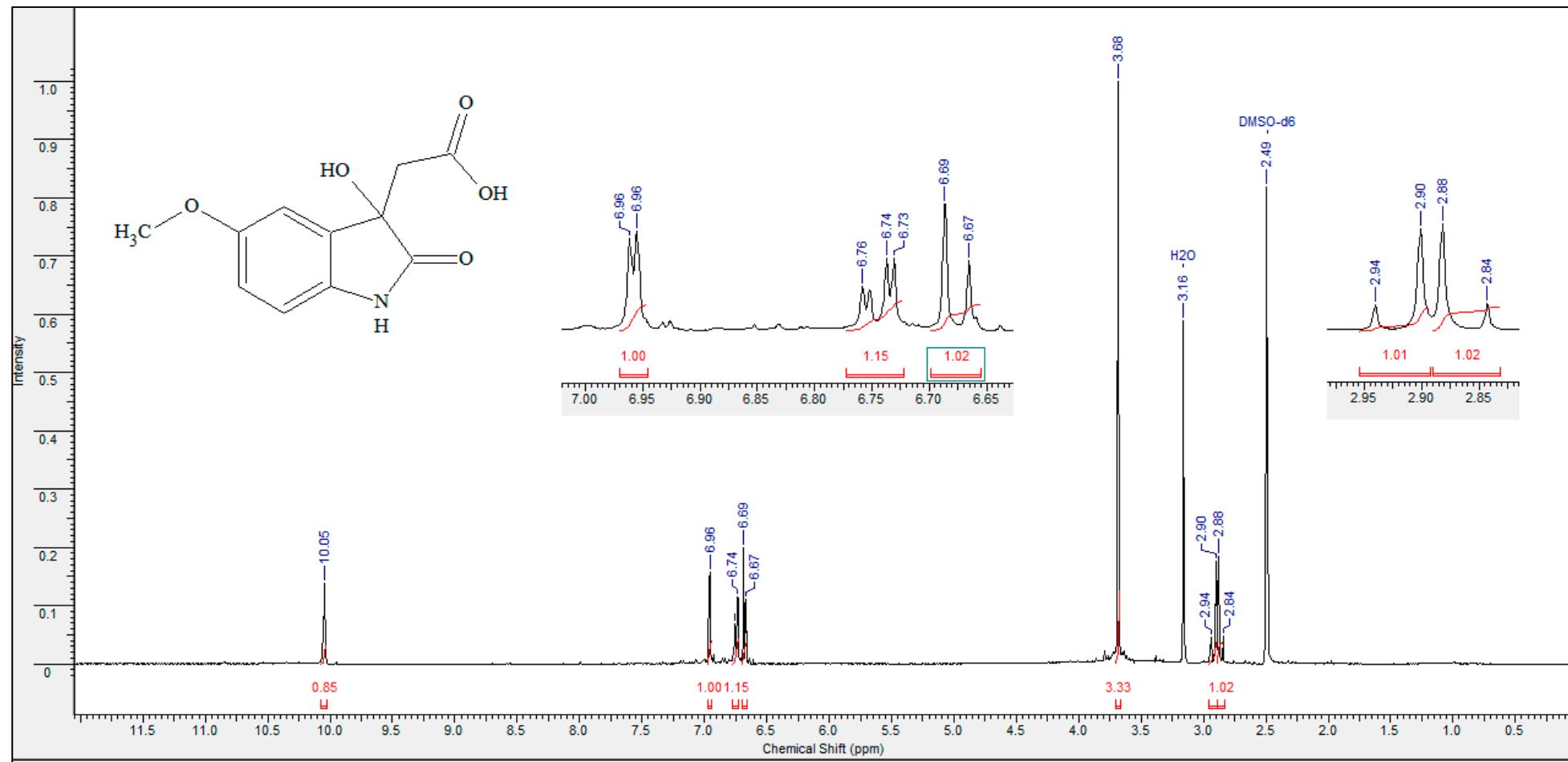
S14. ^1H NMR spectrum of (3-hydroxy-5-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3a**)



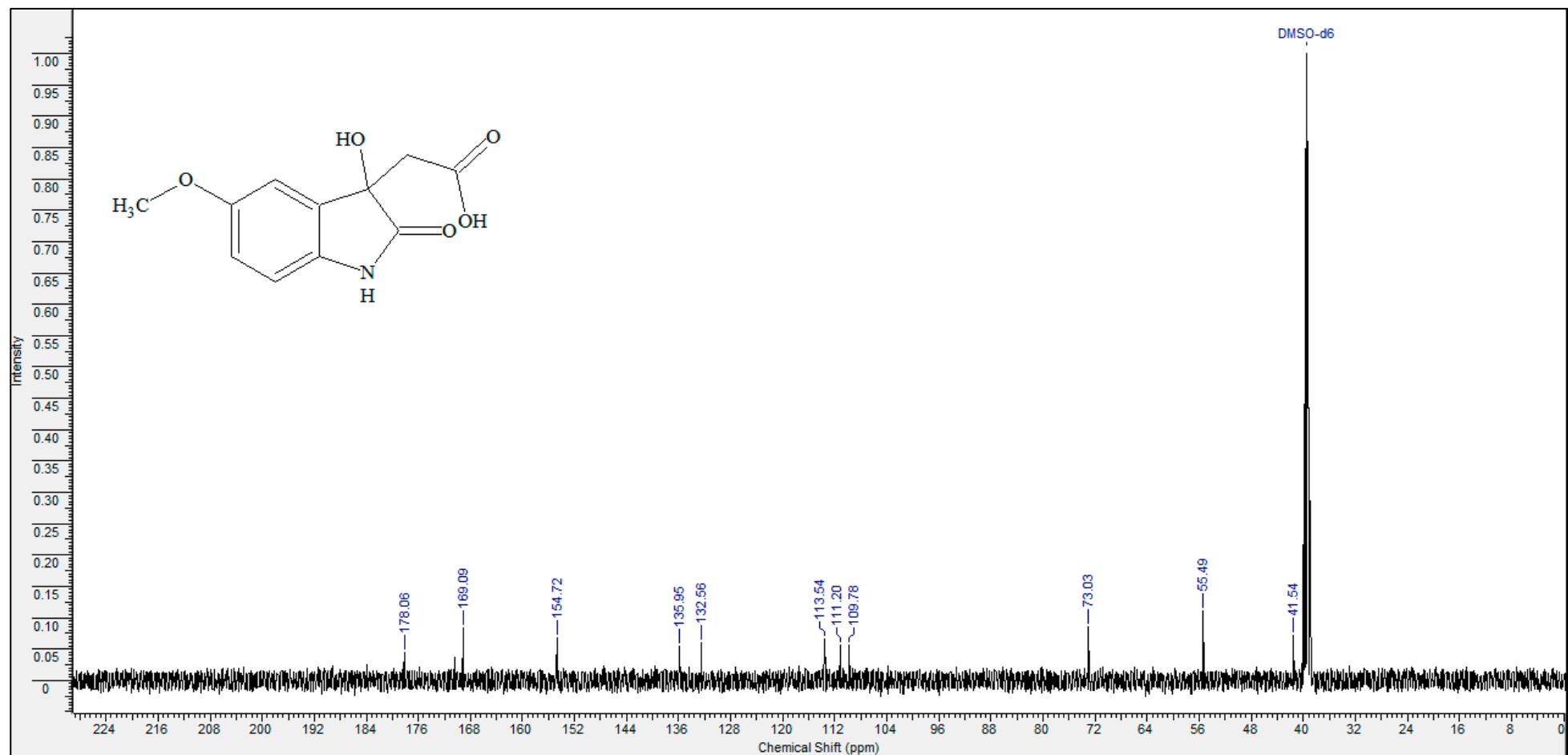
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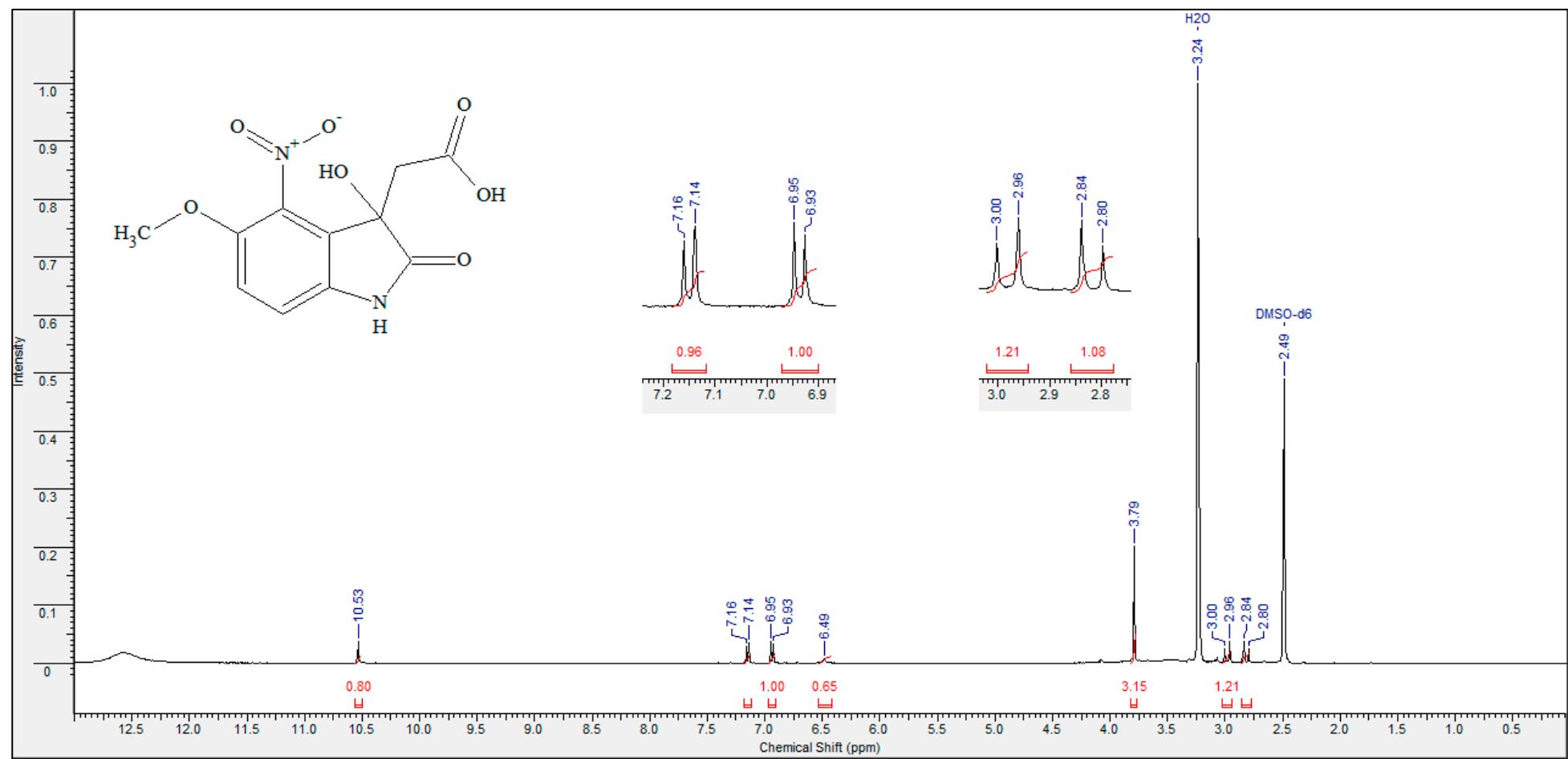
S16. ^1H NMR spectrum of (3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3c**)



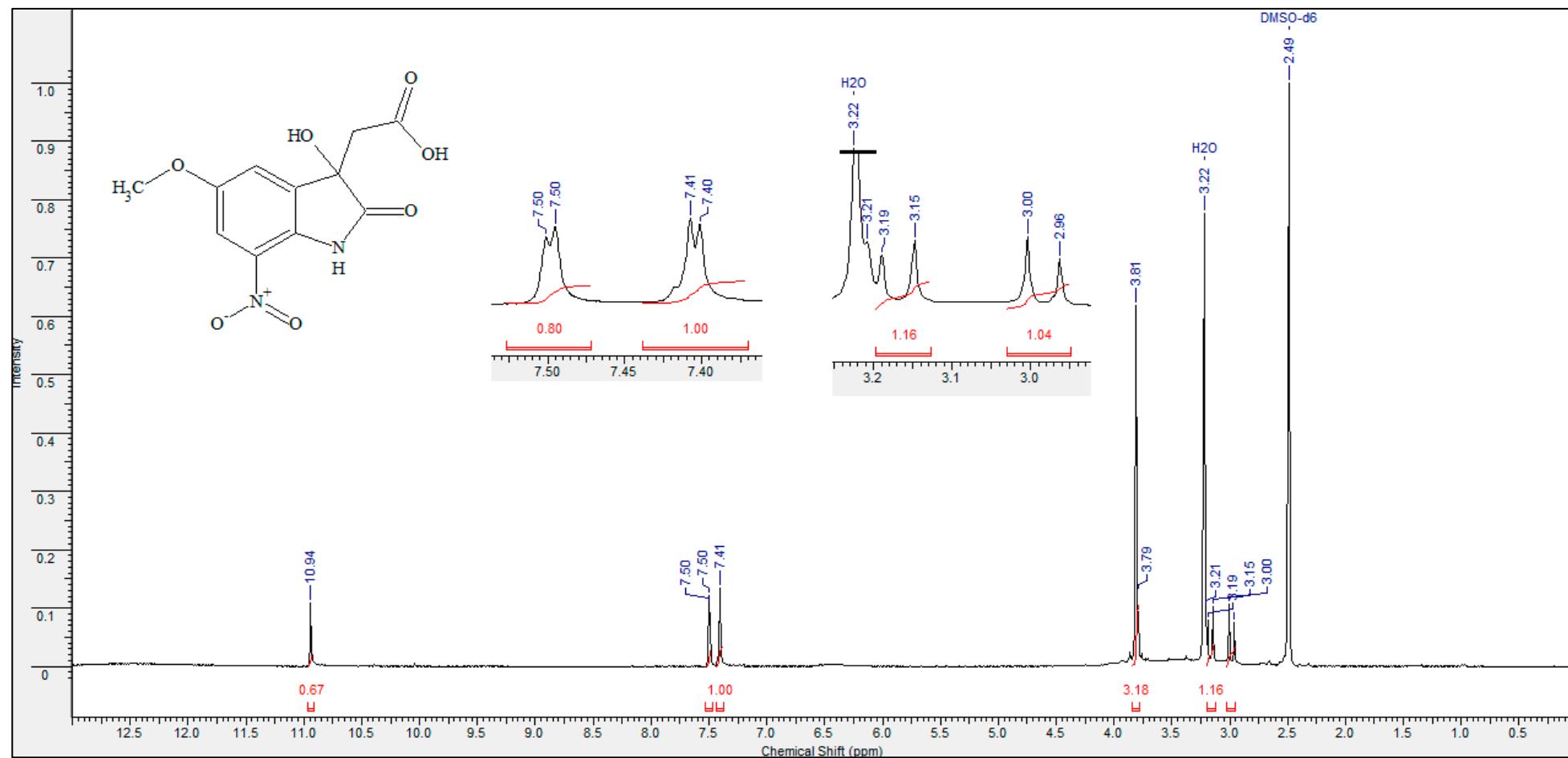
S17. ^{13}C NMR spectrum of (3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3c**)



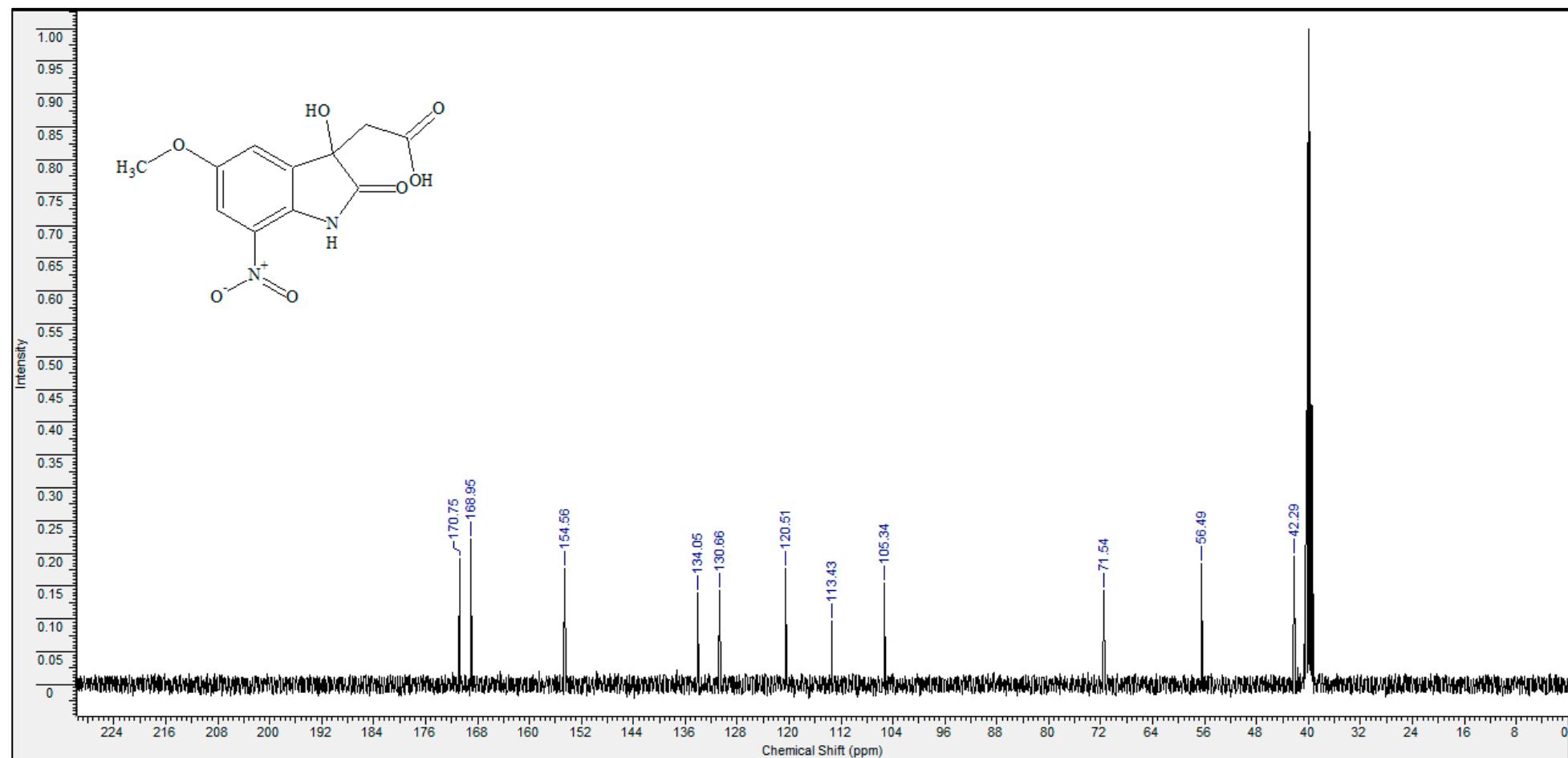
S18. ^1H NMR spectrum of (3-hydroxy-5-methoxy-4-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3d**)



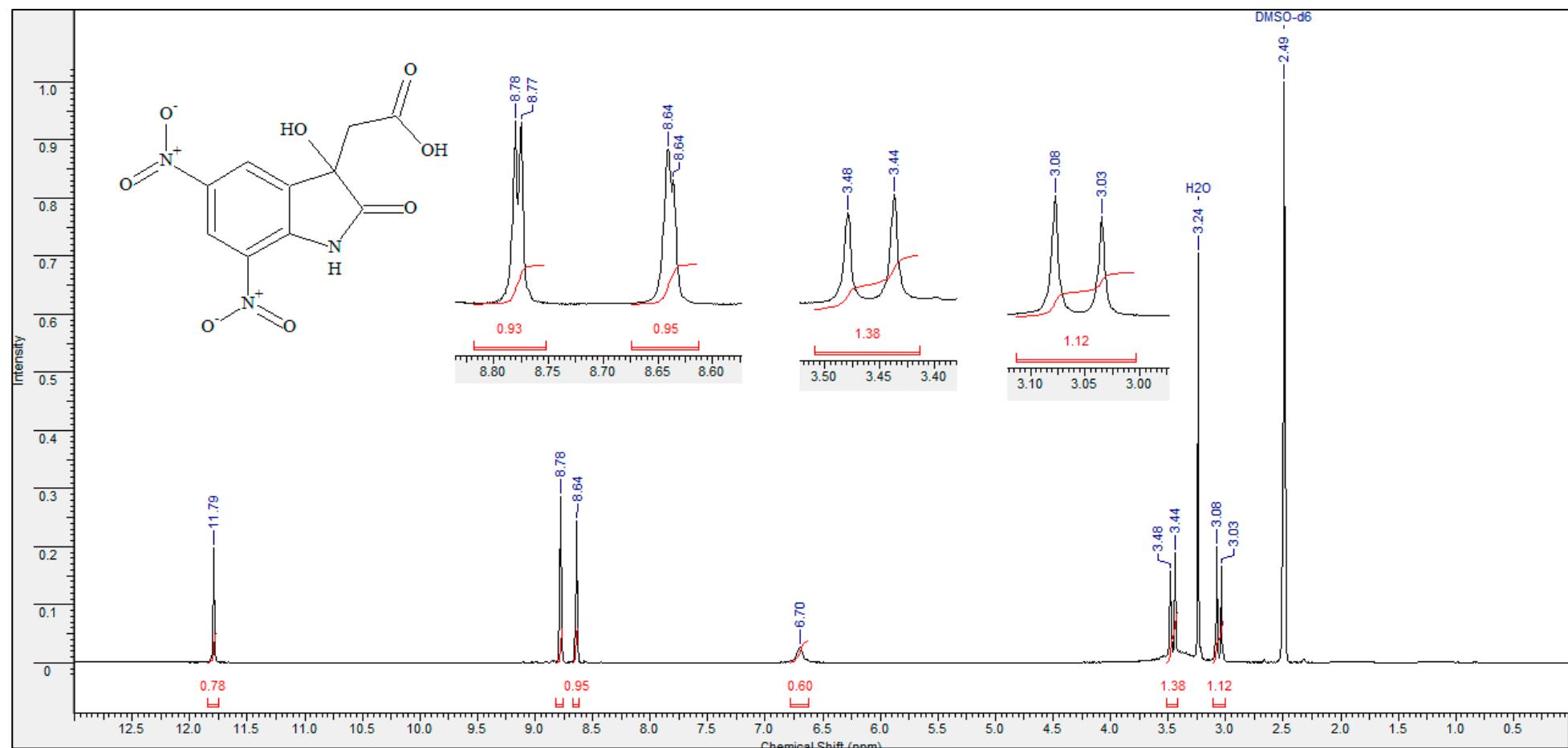
S19. ^1H NMR spectrum of (3-hydroxy-5-methoxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3e**)



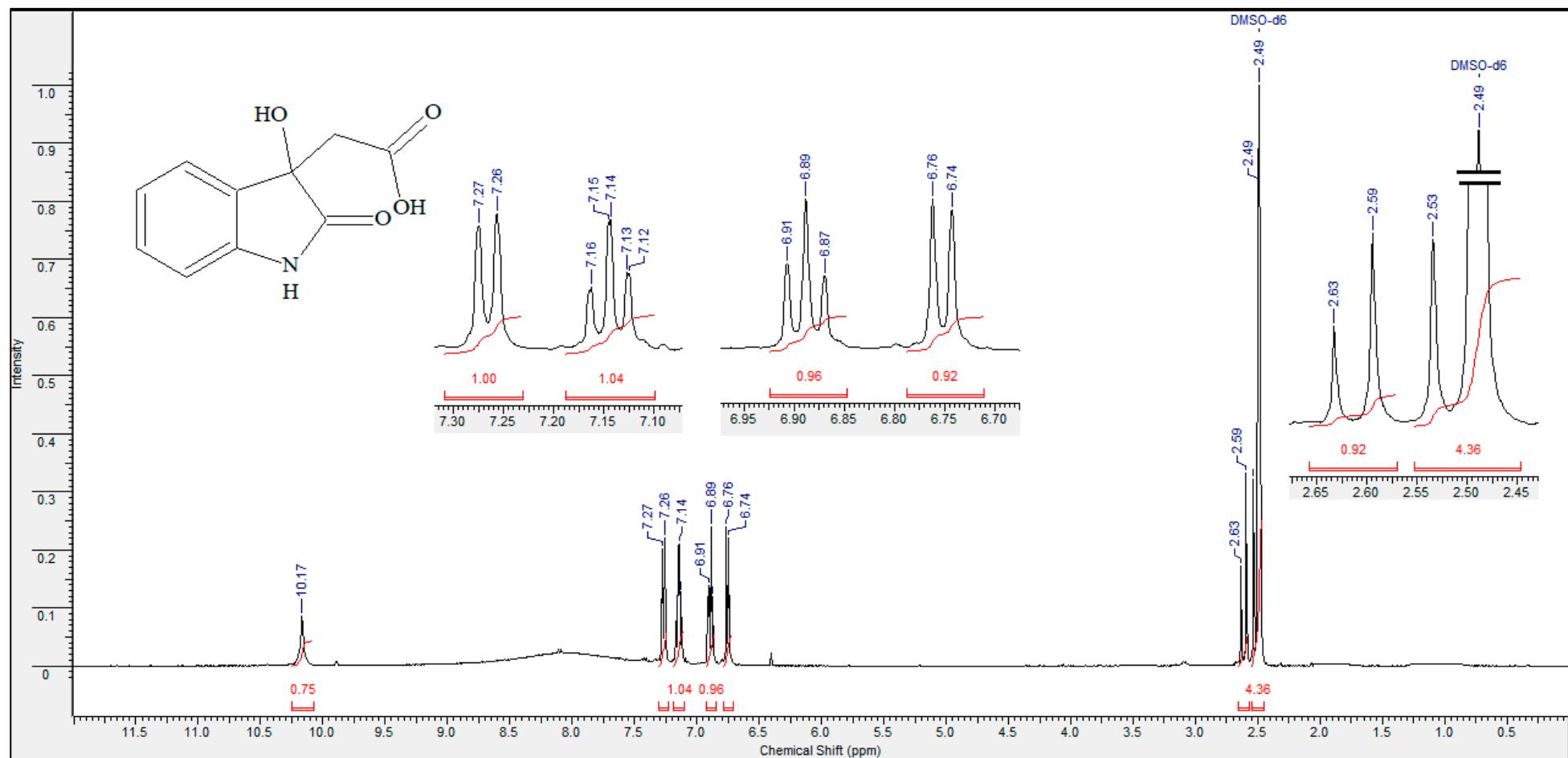
S20. ^{13}C NMR spectrum of (3-hydroxy-5-methoxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3e**)



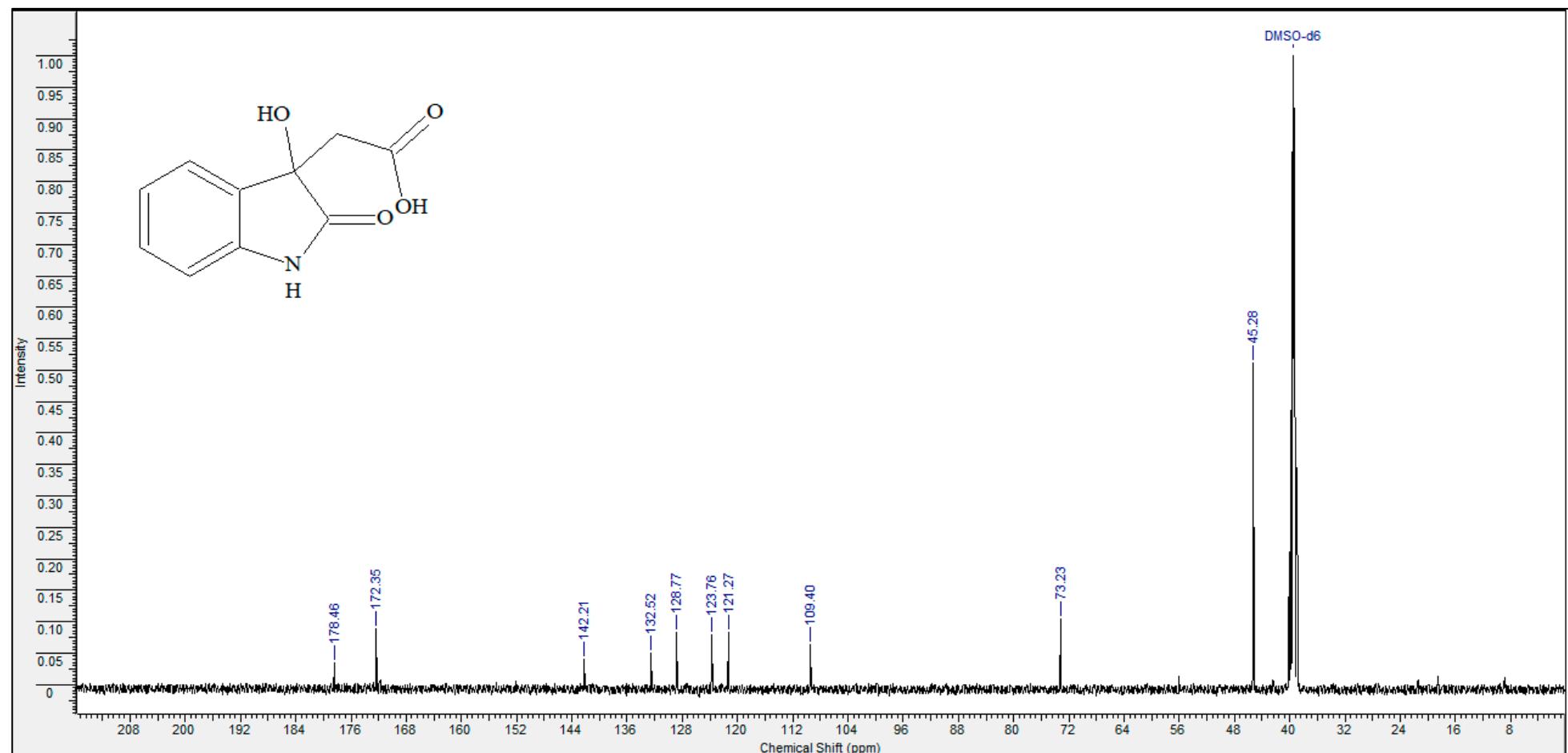
S21. ^1H NMR spectrum of (3-hydroxy-5,7-dinitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3f**)



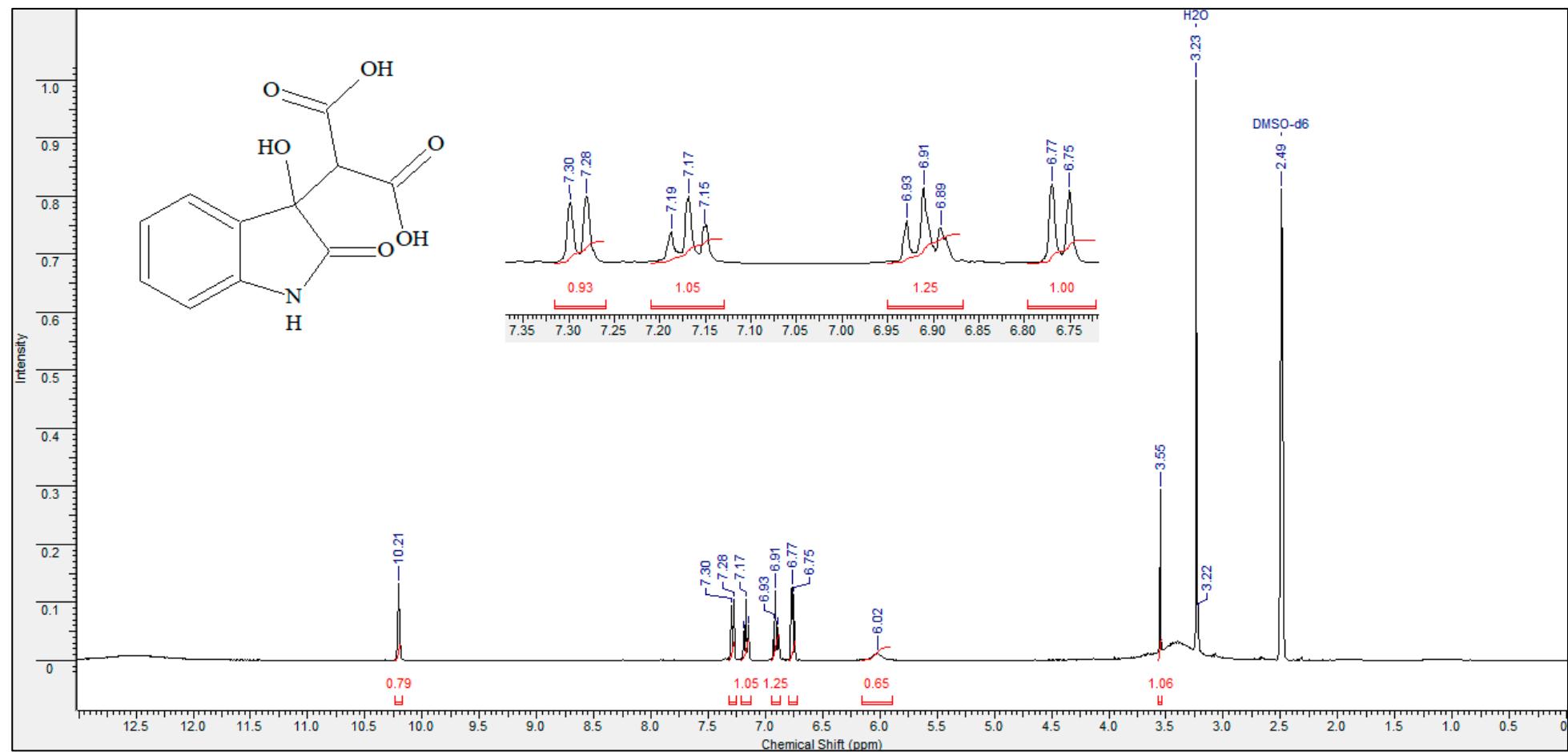
S22. ^1H NMR spectrum of (3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3g**)



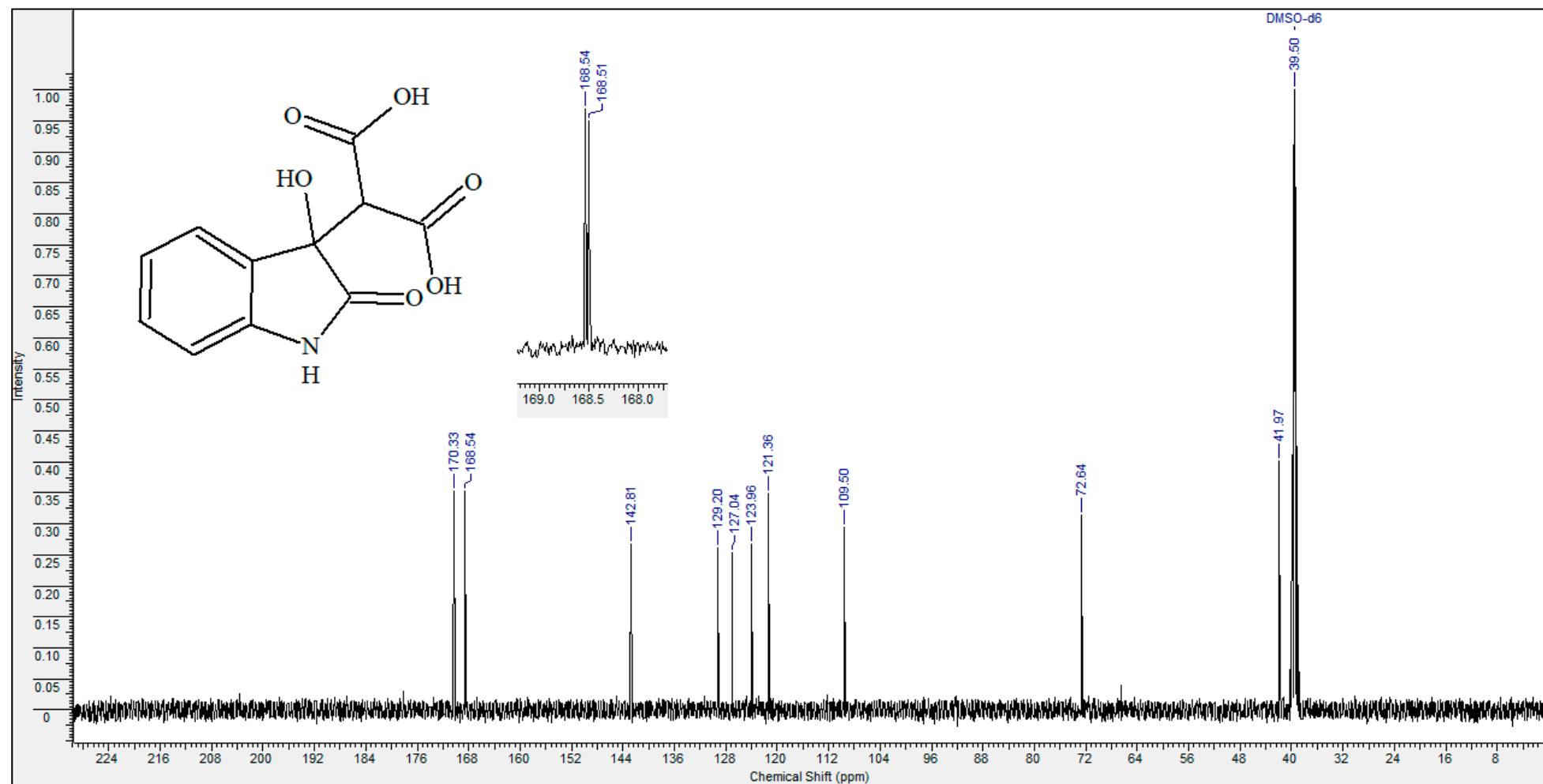
S23. ^{13}C NMR spectrum of (3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3g**)



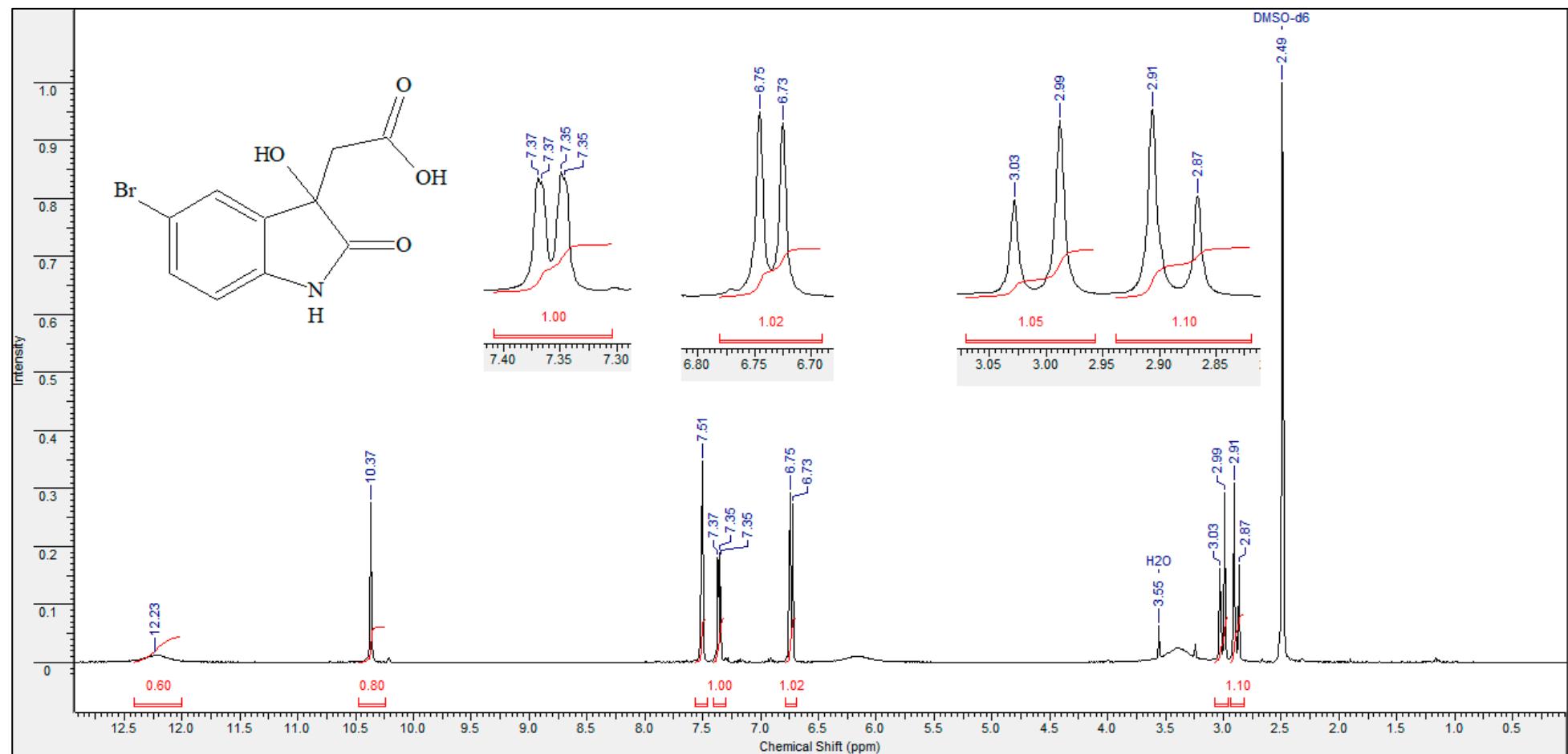
S24. ^1H NMR spectrum of (3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)malonic acid (**X**)



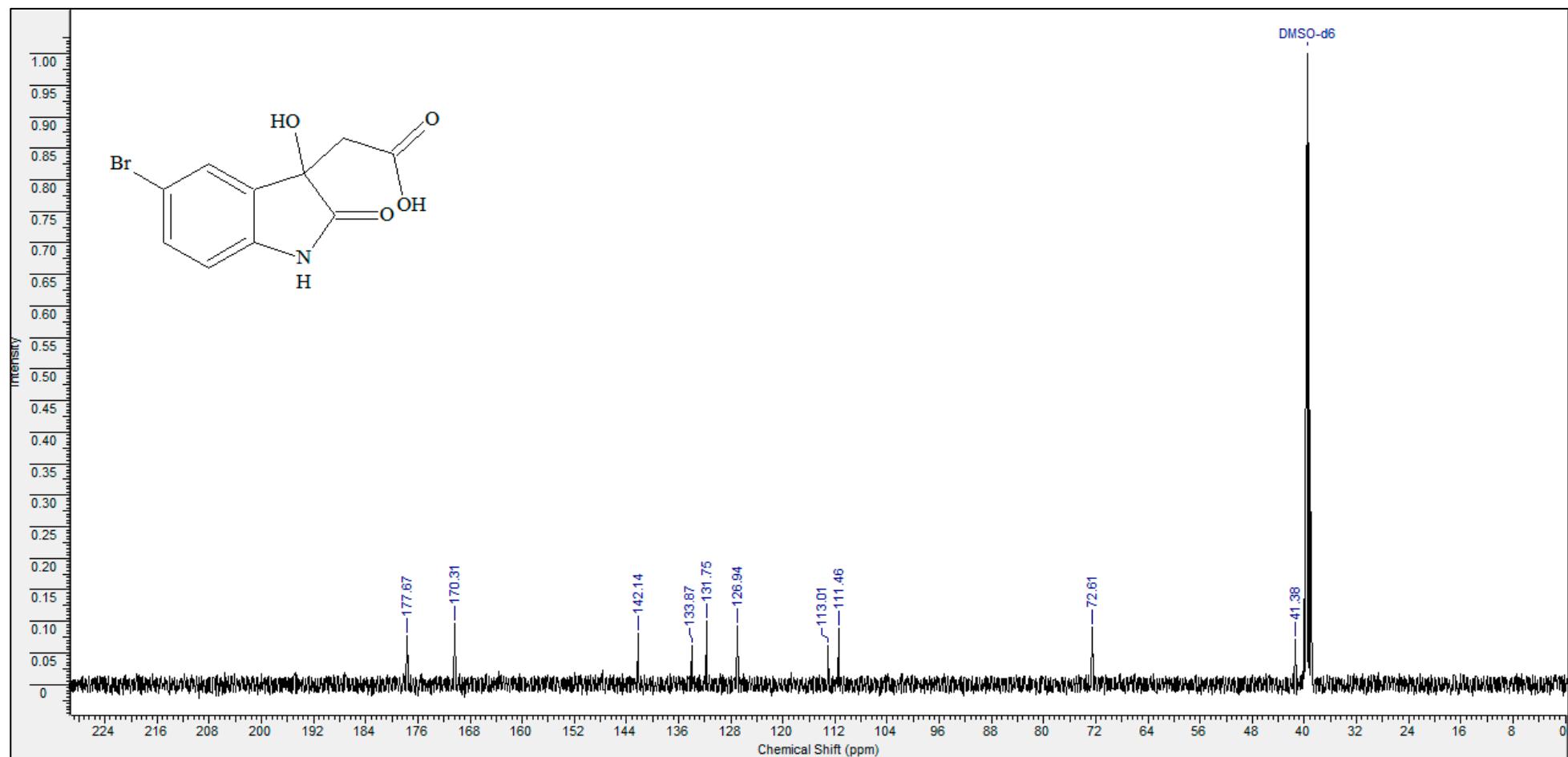
S25. ^{13}C NMR spectrum of (3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)malonic acid (X)



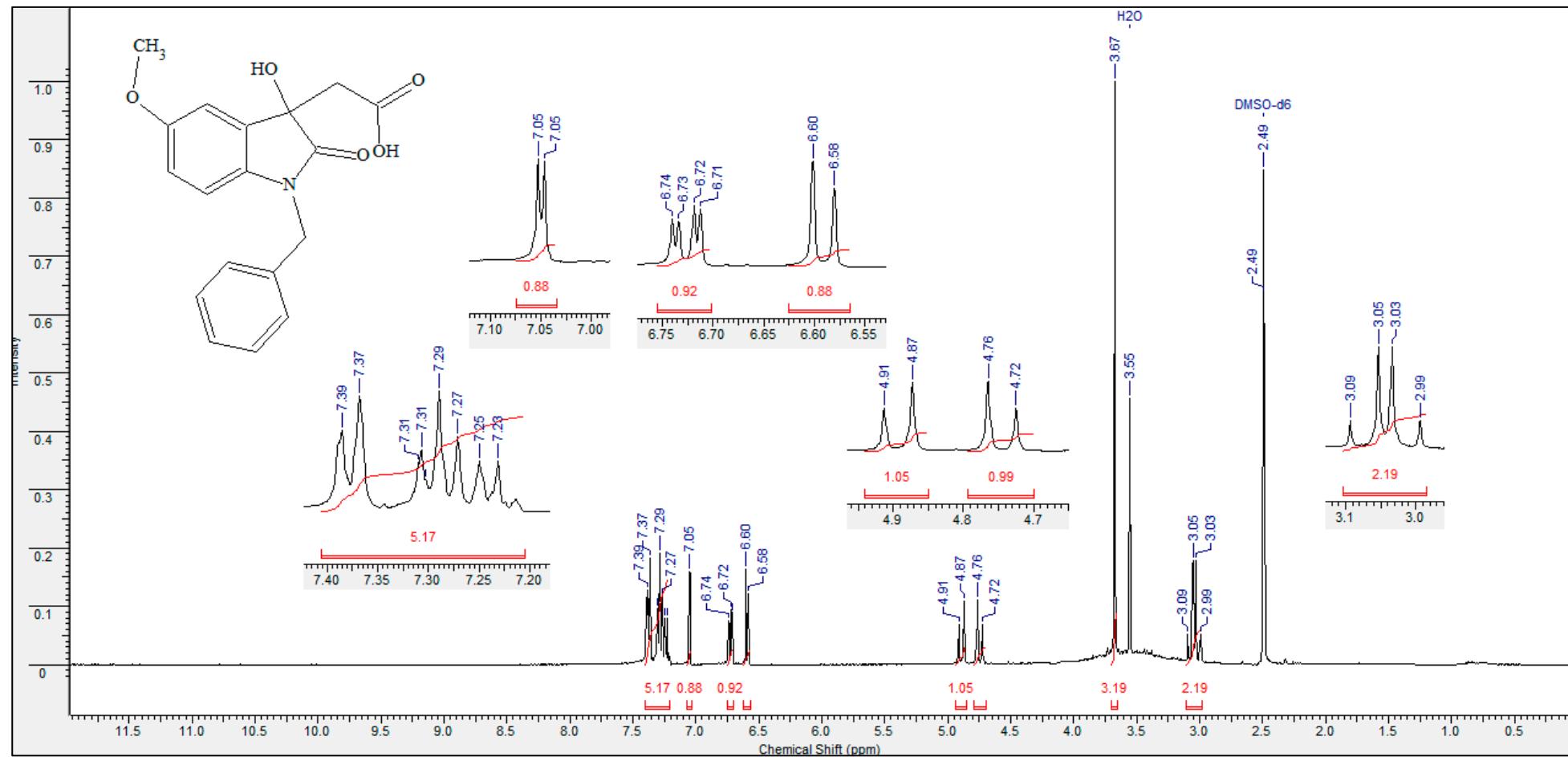
S26. ^1H NMR spectrum of (5-bromo-3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3h**)



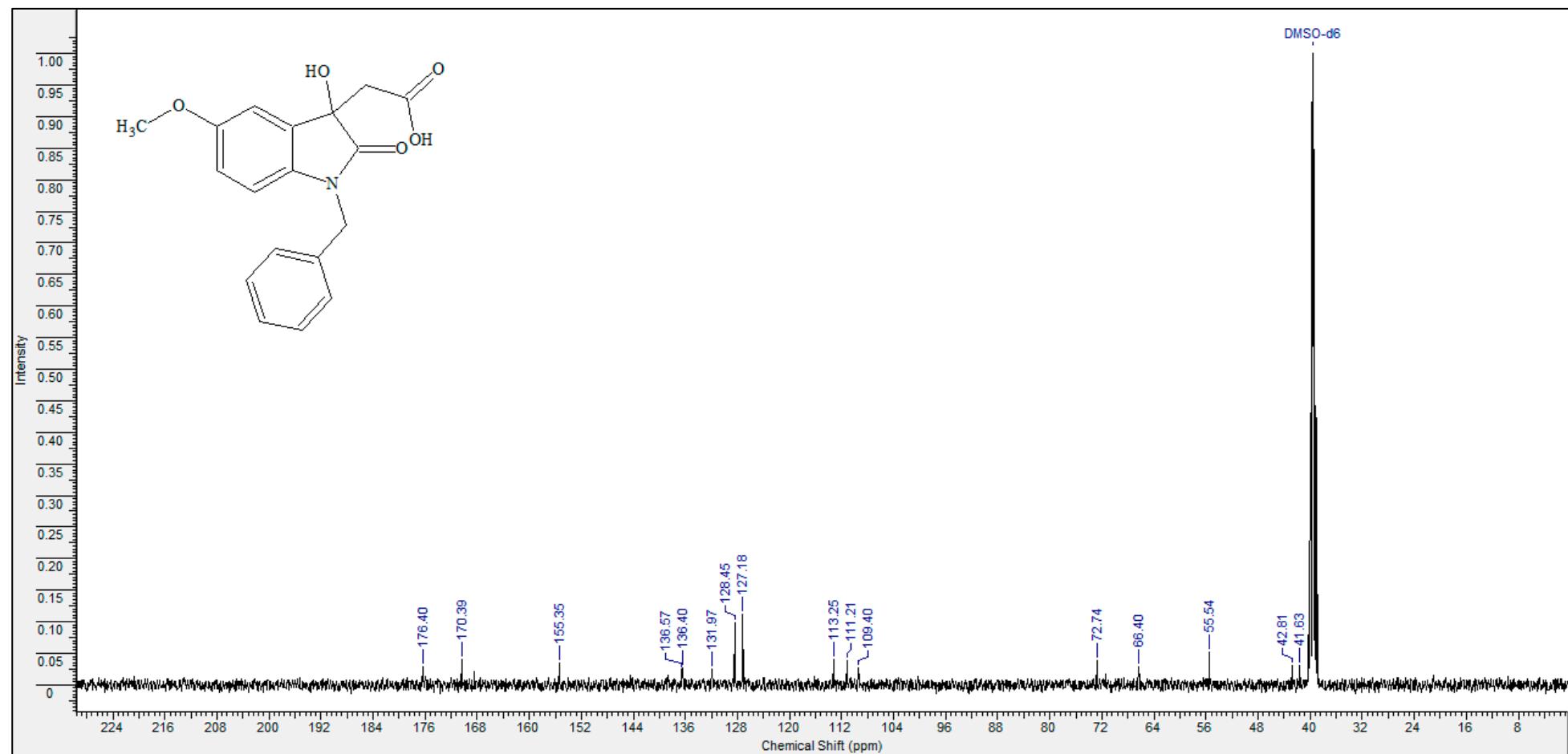
S27. ^{13}C NMR spectrum of (5-bromo-3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3h**)



S28. ^1H NMR spectrum of (1-benzyl-3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3i**)



S29. ^{13}C NMR spectrum of (1-benzyl-3-hydroxy-5-methoxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetic acid (**3i**)

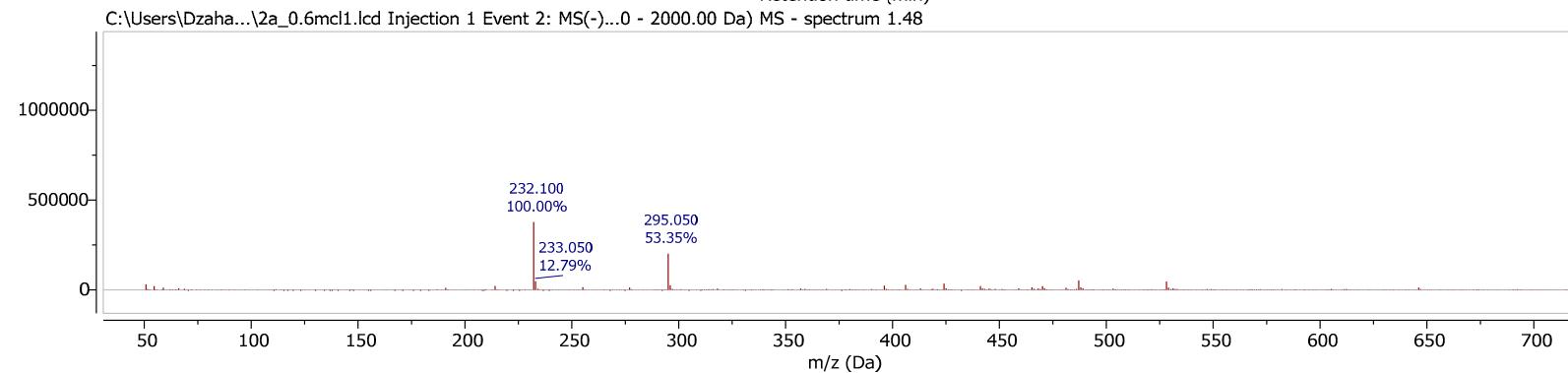
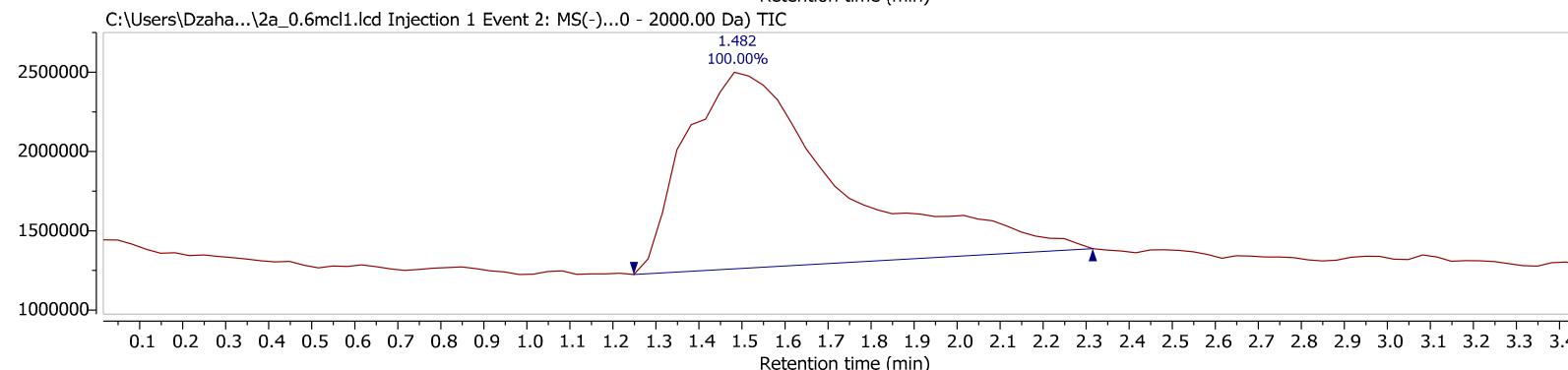
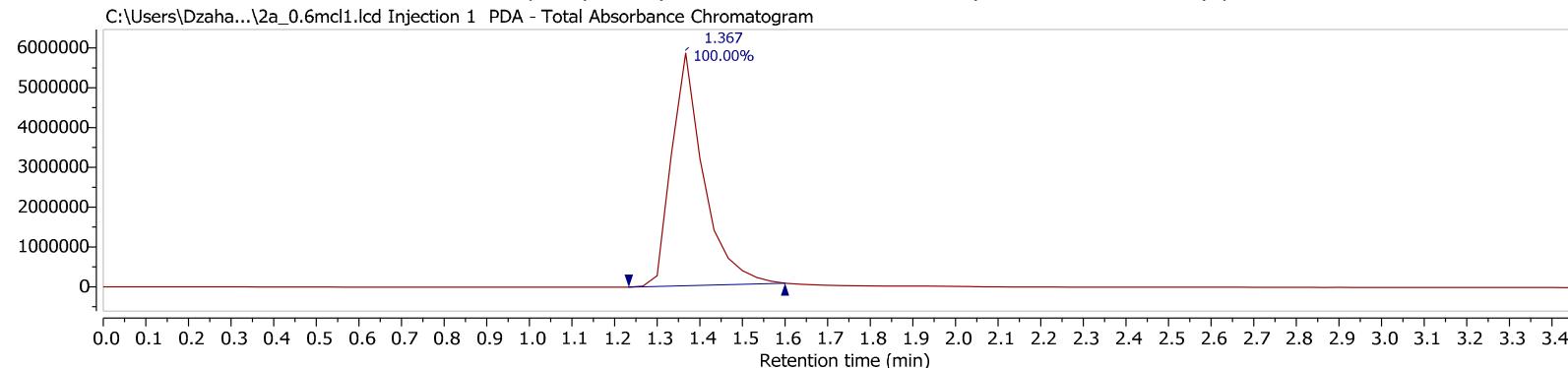


HPLC data of obtained compounds

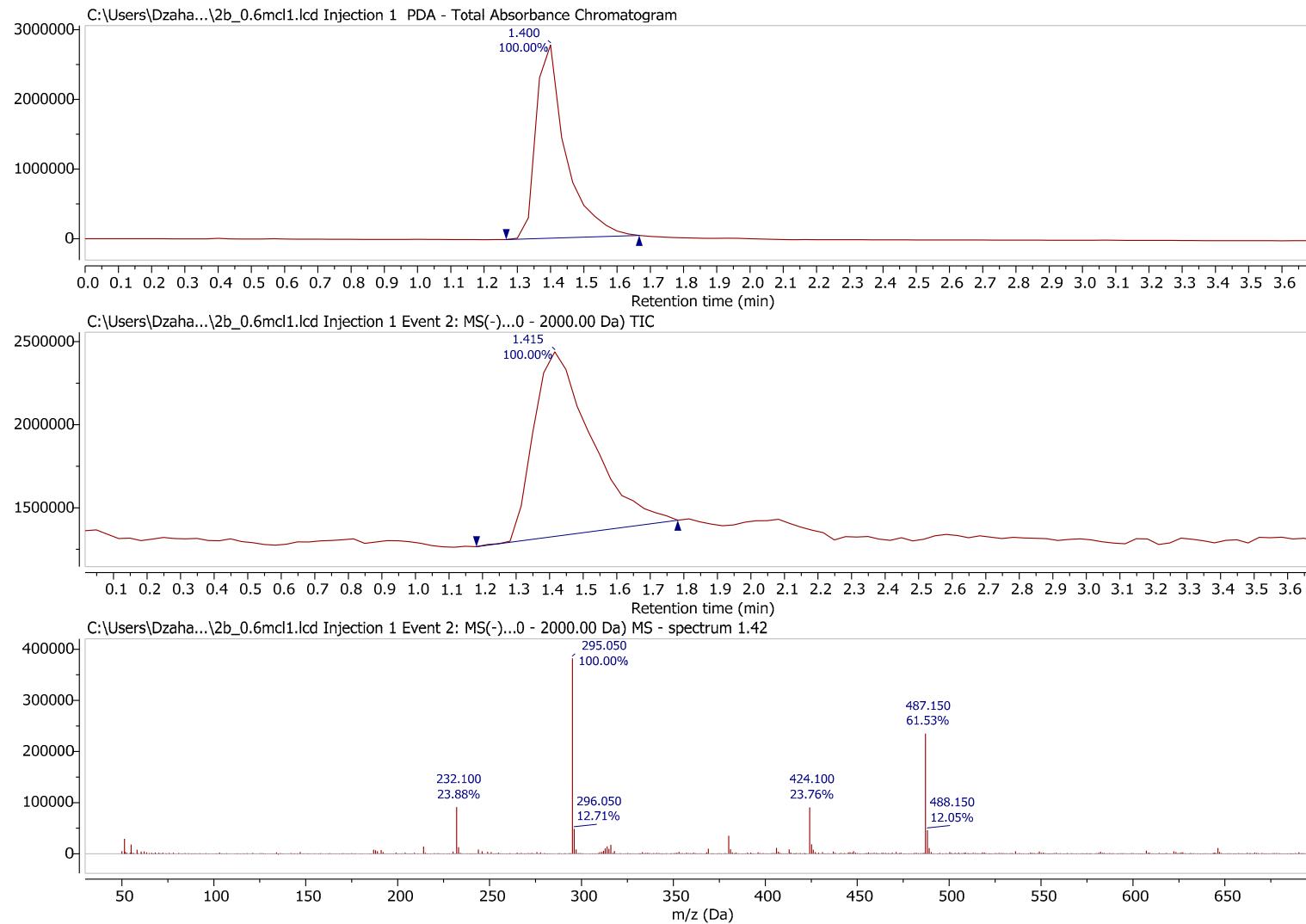
S30

(3-hydroxy-5-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile

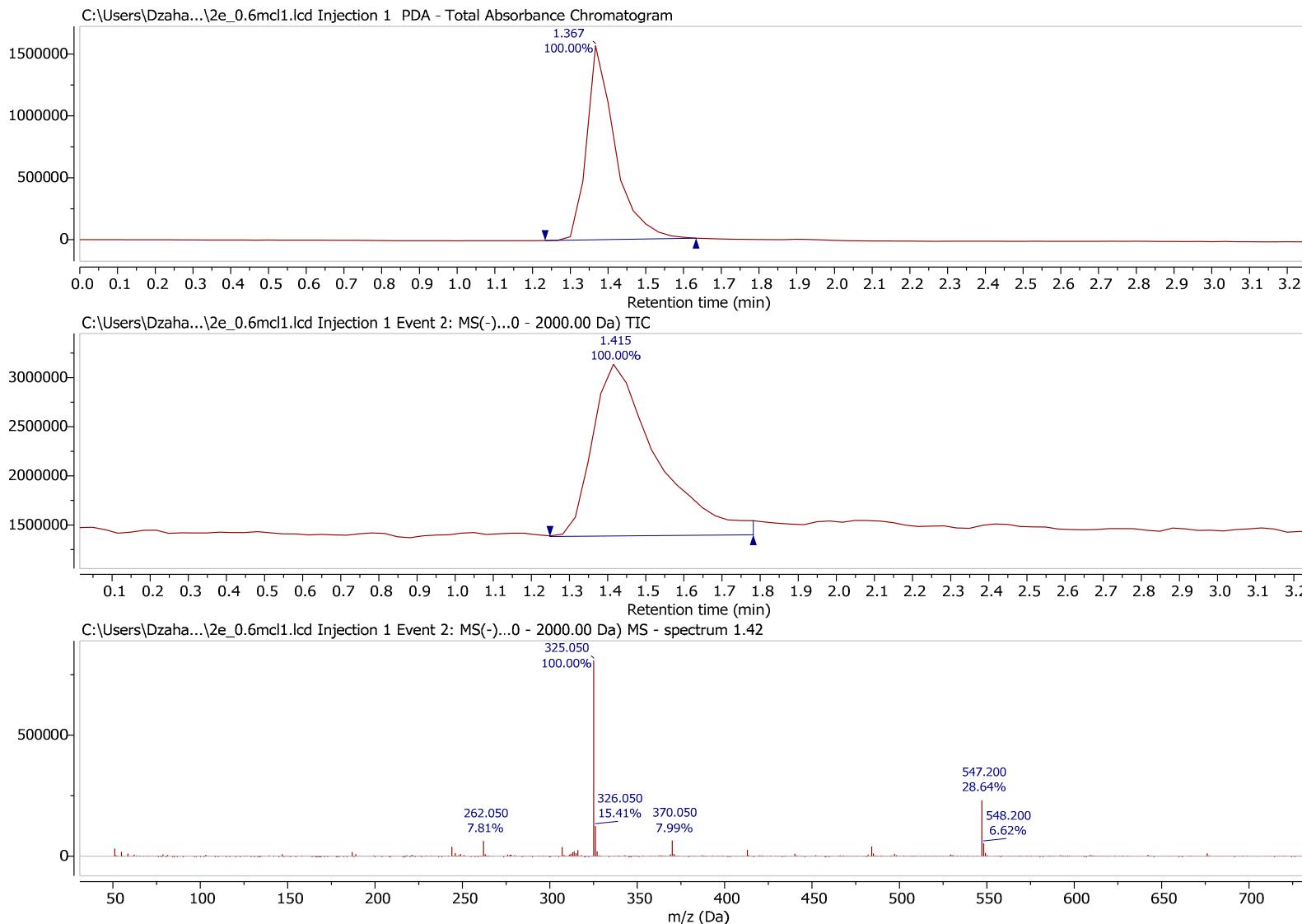
(2a)



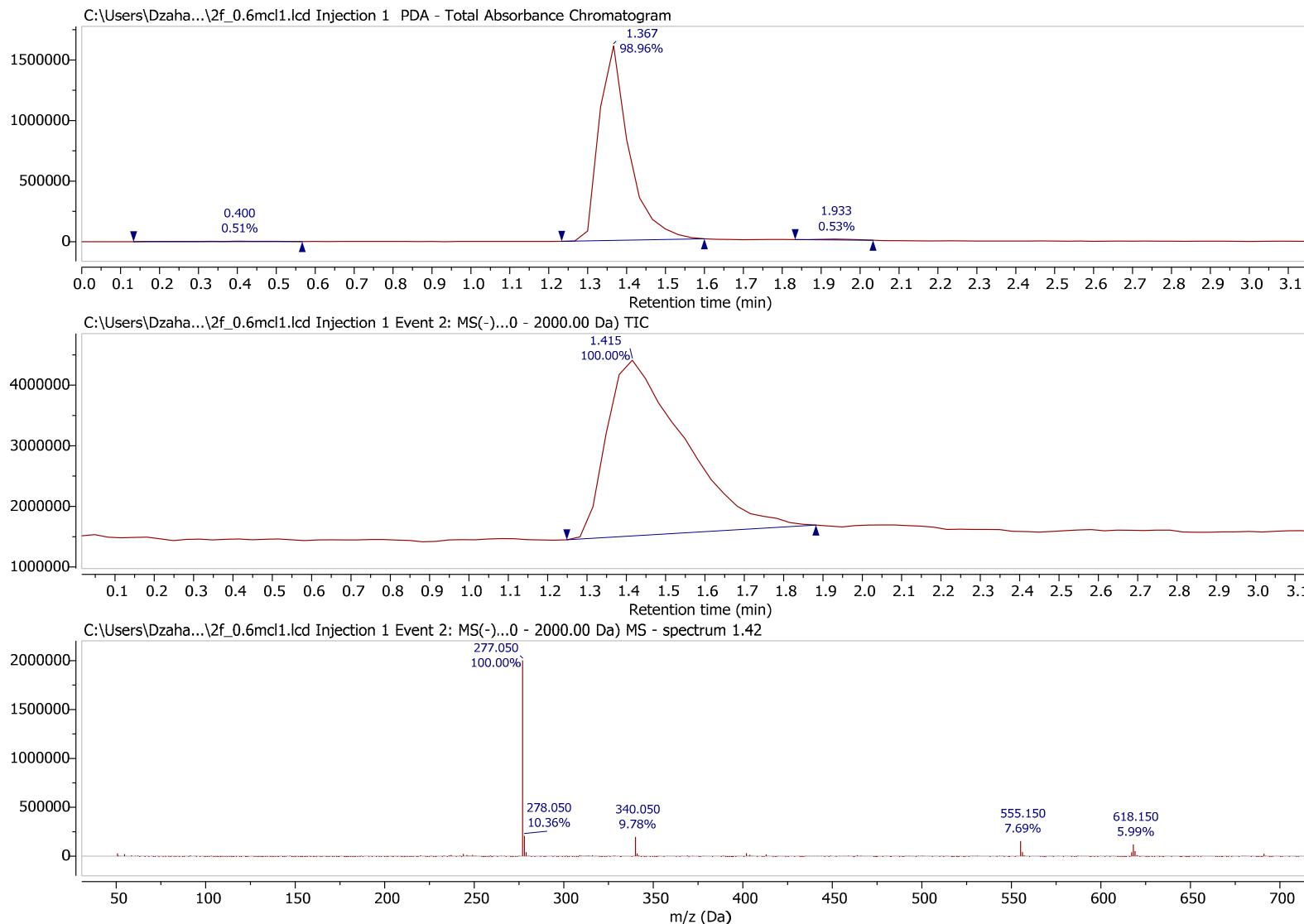
S31 (3-hydroxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (2b)



S32 (3-hydroxy-5-methoxy-7-nitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (**2e**)



S33 (3-hydroxy-5,7-dinitro-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (2f)



S34 (5-bromo-3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-yl)acetonitrile (2h)

